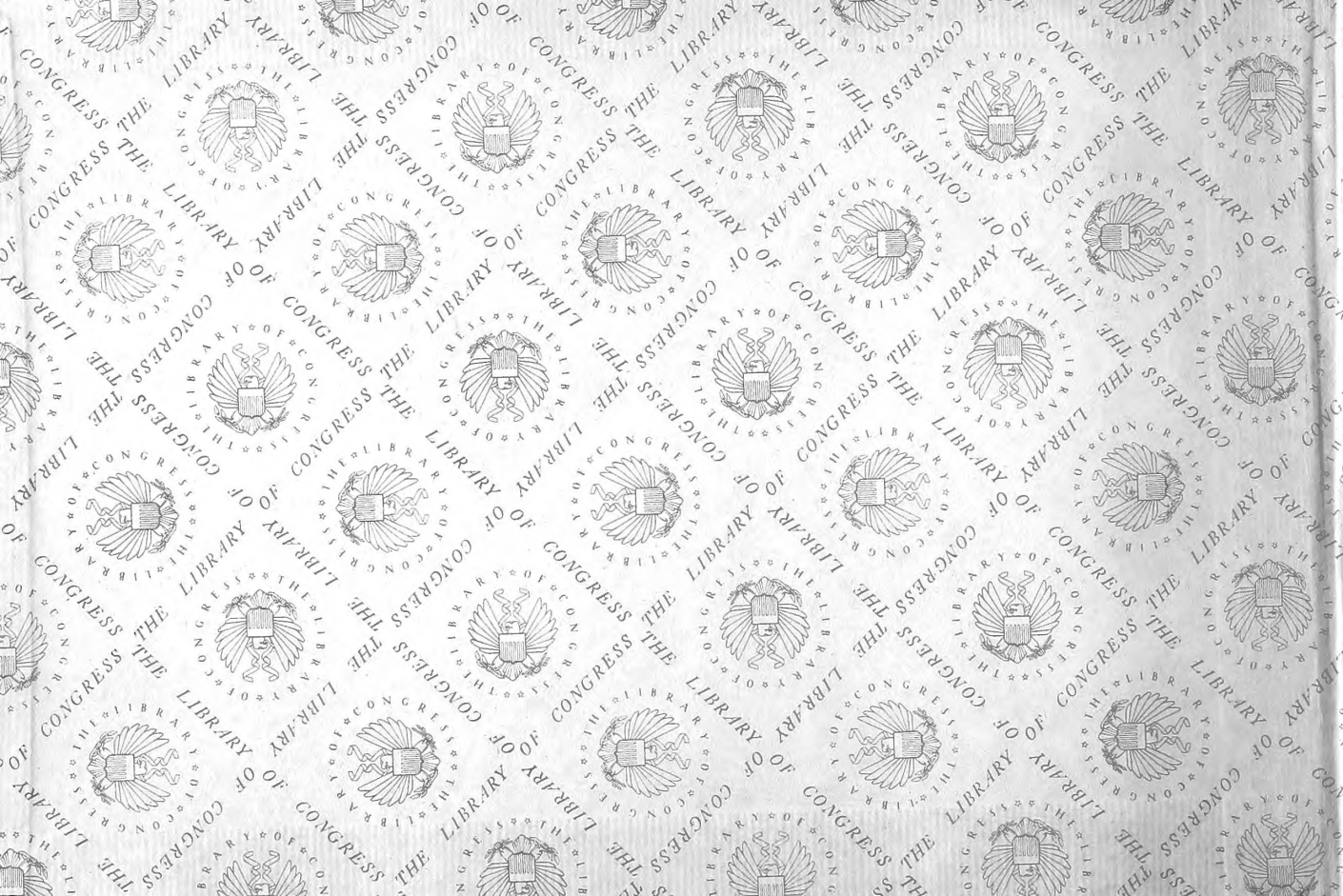
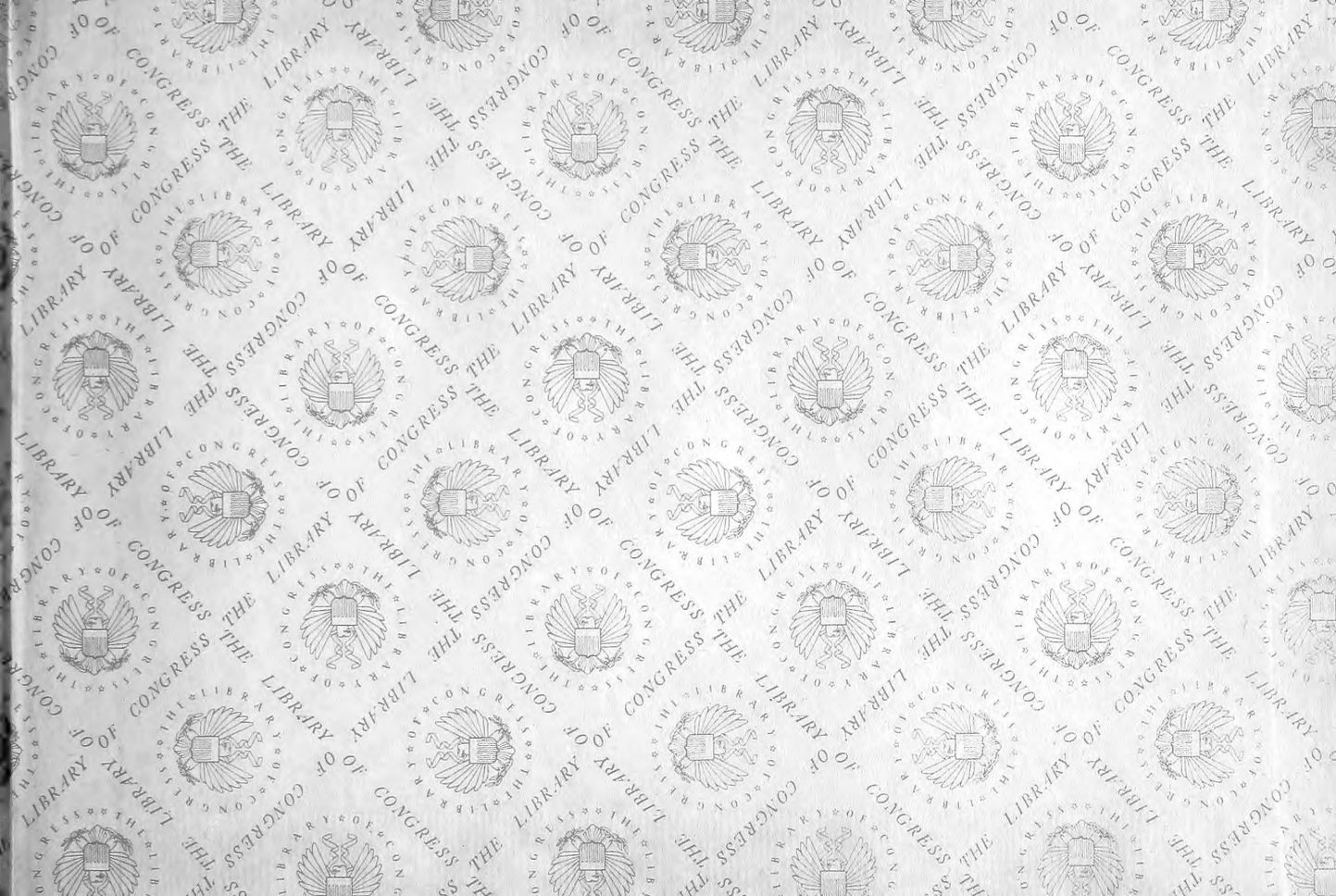


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A SCHEME

FOR

Thorough, Rapid, Systematic

PLANT ANALYSIS.

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COURANT OFFICE,

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PREFACE.



In preparing this scheme I have been guided by the conviction that the chief value of Botany, as an educational means, is to teach correct habits of investigation, and at the same time to develop systematically those faculties of the mind that are exercised in the prosecution of such work.

The familiarizing with botanical terms and the learning of the name of the plant simply, are in my view entirely subordinate to this higher end. System, then, is indispensable, as is also completeness as far as practicable. I have endeavored to so arrange this scheme as to make the attainment of these results almost certain, even in the hands of inexperienced teachers.

I believe the arrangement of the terms used in describing the plant necessitates systematic observation and a high degree of thoroughness, while at the same time it saves the tedious labor of writing out the description of the plant, and the mental energy which must otherwise be exhausted in an unprofitable effort to recall the technical descriptive terms. The Glossary will enable the pupil to refresh his memory, and will be otherwise useful.

The fundamental basis, upon which rests the system of this scheme, is in the main that suggested in an "Outline of a Course of Oral Instruction" by Prof. T. C. Chamberlin.

I desire to express to Prof. Chamberlin my sincere thanks for valuable suggestions and other assistance which he has kindly given me in preparing this scheme.

EXPLANATIONS.



All terms are defined in the glossary under corresponding heads and in the order they occur in the Check Table. Other related terms are also given and defined in their appropriate place. If a particular feature of the plant is not described by any word under that head, write the proper word in the blank space left at the end of the list. The proper word may in most cases be found by referring to that head in the Glossary. An observation of the specimen page will suggest the method of indicating the analysis. When any point in the check table is not understood refer to that head in the Glossary.

When it is impossible or too difficult to determine a particular feature of a plant, pass it by. Never guess. Where a character is doubtfully ascertained always prefix the $\frac{1}{2}$ (?).

Very young pupils should not be required to make the more difficult determinations; and the teacher must use his or her judgment as to what points ought to be omitted.

GLOSSARY

OF

BOTANICAL TERMS, WITH SUGGESTIONS.

GENERAL FEATURES.

HABIT:

Terrestrial: growing in the soil out of the water.

Aquatic: growing in the water.

Parasitic: growing upon other plants and feeding on their sap.

Aerial: living on material taken wholly from the air.

DURATION:

Annual: a plant that fruits at the end of the first season.

Biennial: a plant that fruits at the end of the second season.

Perennial: a plant living year after year.

ODOR:

Fragrant: yielding a pleasant perfume.

Aromatic: having a fragrant smell. Ex. Mints.

Pungent: stinging like ammonia.

Fetid: offensive, stinking. Ex. Suan's Cabbage.

JUICE:

COLOR:

Colorless: as in the majority of plants.

White: as in the Milk Weeds.

Red: as in the Blood Root.

Yellow: as in the Yellow Poppy.

TASTE:

Acrid: as in the Buttercups.

Acid: as in the Sorrel, and Pieplant.

Sweet: as in the Sugar Maple.

Bitter: as in the Polygala.

Pungent: as in the Mustard Family.

Astringent: as in the bark of the Rose Family.

Insipid: as in the Purslane Family.

SUGGESTION.

Great caution should always be observed in determining this character, as many of the plants contain a poisonous principle.

GENERAL CHARACTER:

Limpid: clear and transparent.

Viscid: sticking or adhering.

Mucilaginous: slimy resembling mackerel.

Resinous: as in the Rosin plant.

Milky: resembling milk.

Watery: resembling water.

ROOT.

FORM:

Conical: tapering like a cone. Ex. Carrot.

Fusiform: large in the middle and tapering each way.

Yapiform: turnip shaped.

Ramose: a woody tap-root finally dissolved.

Sobolus: soon losing itself in branches.

Fibrous: slender, thread-like.

Fasciculate: a fleshy tuberous cluster.

Nodulose: fiber enlarged at certain points only.

Moniliform: enlarged at regular intervals.

Tuberated: bearing tubercles; here and there.

Aerial: coming from stems above ground.

GEN. CHARACTER, as texture, color, taste, etc.

STEM.

MODE OF GROWTH.

Exogenous: increasing by annual additions to the outside.

Endogenous: inside growers.

DIRECTION OF GROWTH.

Erect: rising directly upwards.

Assurgent: rising obliquely upwards.

Diffuse: when loosely spreading in all directions.

Decumbent: reclining on the ground.

Prostrate: lying flat on the ground from the first.

Climbing: rising by tendrils, leaf stalks or rootlets.

Twining: rising by coiling around objects.

NATURE:

Herbaceous: when it dies down to the ground every year.

Suffruticose: when the bottom of the stem above the soil is a little woody, and inclined to live from year to year.

Suffruticose: decidedly woody below and herbaceous above.

Fruticose: woody, living from year to year, but small.

Arborescent: tree-like in appearance.

Arbores: when forming a proper tree.

MODE OF BRANCHING:

Simple: not branching.

Furcate: forked.

Excurrent; trunk continued to the top of the tree.
Racemose; small stems branching like a raceme.
Paniculate; small stems branching like an irregular compound raceme.

Corymbose; branching like a corymb.
Deliquescent; like the Oak and Apple.

Diffuse; spreading widely and irregularly.

SPECIAL FORMS:

Suckers; shoots from subterranean branches.

Stolons; trailing or reclining and rooting shoots.

Offsets; short branches next to the ground which take root.

Ramers; prostrate filiform stems rooting at the end.
Tendrils; when thread-shaped and used for climbing.

Thorns; sharpened woody processes from leaf-axils.

Spines; properly applied to modified leaves only.

Culm, the stem of Grasses and Sedges.

Caulis; the main stem.

Caudex; a trunk such as that of the Palm.

GEN. CHARACTER.

Tenete; nearly cylindrical.

Striate; with slight longitudinal lines.

Grooved; marked with shallow channels lengthwise.

Furrowed; marked with deep channels

3-4-Angled; like the stems of the Catnip and Sedges.

Solid; with no cavity in the center.

Hollow; like the straw of Wheat.

Flexuose; Zigzag, bending gently in opposite directions.

Geniculate; bent abruptly, like a knee.

Tumid; stems with swollen joints.

Subcane; grooved longitudinally with deep furrows.

Bisulcate; with two deep furrows.

UNDERGROUND:

Rhizoma; a prostrate, fleshy, perennial rooting stem, more or less perfectly subterranean.

Corne; a solid, rounded or oval subterranean stem.

Bulb; a shortened stem, clothed with fleshy scales.

Tuber; a thickened portion of an underground stem.
Potato.

Premorse Rhizoma; a short, erect rhizoma.

Tunicated; said of bulbs when the scales form broad and concentric layers. Ex. Onion.

Scaly; said of bulbs when the scales are thick and separate.

Creeper; a prostrate, subaerial or subterranean, scaly stem. Ex. Witch grass.

SURFACE:

Designate this character by prefixing to the letter: a, b, or c, the number found opposite the similar character of the leaf. Thus 3-b for stem pubescent.

HEIGHT.

Indicate the height of the plant thus: 1 0-3 0 for one to three feet high or 6"-14" for six to fourteen inches high.

LEAVES.

KINDS:

Sessile, without leaf stalk.

Petiolate; having a leaf stalk.

Stipulate; bearing stipules.

Exstipulate; destitute of stipules.

Equitant; riding staddle, as the leaves of the Ir's.
Perfoliate; when the stem appears to pass through the leaf.

Stipellate; said of leaflets when they are appendaged at the base.

ARRANGEMENT:

ON THE STEM.

Cauline; when growing on the stem.

Radial; when growing at the base of the stem.

Rameal; when they grow from the branches.

ALONG THE AXIS.

Alternate; one above another on opposite sides.

Scattered; irregularly spiral. Ex. Potato.

Rosulate; clustered regularly like the petals of a rose.

Fusculate; clustered, many together in the axil.

Ex. Pine.

Opposite; two over against each other at the same node.

Verticillate; more than two in a circle at the same node.

Decussate; the successive pairs crossing each other at right angles.

SUGGESTION.

Such words as *Few*, *Sparingly*, *Closely*, may be prefixed to cauline, alternate, etc., to denote the abundance or scarcity of leaves.

DURATION:

Persistent; when they remain on during the winter or other interval during which leaves are shed.

Deciduous; when shed at the end of summer.

Fugacious; when they fall off soon after their appearance.

TEXTURE:

Succulent; thickened, and juicy or fleshy.

Coriaceous; leathery.

Rugose; wrinkled.

Scarious; thin, dry, and membranous.

VERNATION:

Straight; open, not bent, folded or rolled.

Reclinate; bent forwards upon the leaf-stalk.

Conduplicate; with the two halves folded face to face.

Plicate; when folded backward and forward like the plaits of a fan.

Circinate; when rolled from the tip downwards.

Convolute; when rolled clear across parallel with the axis.

Revolute; when both edges are rolled outward toward the midrib.

Involute; when both edges are rolled inward towards the midrib.
Obovulate; half equitant, when the outer leaf embraces only one of the margins of the inner. Ex. Sacc.
Equitant; when conduplicate leaves alternately embrace.

VENATION:

PARALLEL.

Straight; as in the linear leaf of the Grasses.
Curved; as in the oval leaf of the Orchis.
Transverse; when the veins run parallel from the midrib to the margin, as in the Calla.

NETTED.

Pinnate; when the midrib sends off lateral veins in its course from the base to the apex.
3-*Nerved*; when the midrib gives off a very strong primary vein on each side just above its base.
5-*Nerved*; when two such veins are given off from each side.
7-*Nerved*; when three such veins are given off from each side.
Radiate; when the apex of the petiole appears to divide into three or more nearly equal ribs or veins.

FORM:

COMPOUND LEAVES.

Pinnate; when the leaflets are situated along the side of a common petiole.
Abruptly-pinnate; when there is an even number of leaflets.
Impari-pinnate; when there is an odd number of leaflets.
Lyrately-pinnate, when a lyrate leaf is completely divided.

Interruptionally pinnate; when some minute leaflets are irregularly intermixed with larger ones.
Pinnate; leaflets all attached at the end of the petiole.

Unit-Bi-Tri or 1-2-3-*Pinnate* or *Palmate*; denotes the number of times a leaf is compound.

Decomound; indefinitely several times compound.
1-2-3-4-5-*Foliolate*; denotes the number of leaflets.

SIMPLE LEAVES & LEAFLETS.

General Outline.

Filiform; thread-like, leaves of Asparagus.
Actinular; slender, needle-shaped or bristle-shaped.
Acerose; needle-shaped, like Pine leaves.
Subulate; awl-shaped, narrow, tapering to a rigid point.

Linear; several times longer than broad, margins parallel.

Lanceolate; several times longer than wide, tapering upwards, or upwards and downwards.

Oblanceolate; like lanceolate widest toward the top.

Spatulate; like oblanceolate, with rounded apex.
Oblong, twice or thrice as long as wide, sides nearly parallel.

Elliptical; oblong with an even flowing outline.
Oval; elliptical with breadth more than half the length.

Rotund; circular in outline, or nearly so.

Ovate; like the longitudinal cross section of a hen's egg with the broad end down.

Obovate; ovate with the broad end up.

Cuneate; broad above, tapering by straight lines to an acute base.

SUGGESTION.

All these forms shade into one another and the form is denominated by combining the terms, as Lance-linear, is given to a long narrow leaf whose sides are not quite parallel, and Linear-lanceolate, describes a long lanceolate leaf. Prefix the numbers thus 5-Lanceolate instead of the above.

Base.

Amminate; contracted into a long tapering base.

Acute; when the sides of the base form an acute angle.

Obtuse; when the sides of the base form an obtuse angle.

Truncate; when the base appears cut square across.

Cordate; heart-shaped.

Aviculate; having a pair of blunt projections at the base.

Sagittate; when the ears are pointed and turned downwards.

Hastate; with pinules directed outward.

Peltate; where the petiole appears attached to the lower surface.

Reniform; like the longitudinal cross-section of a kidney.

Clasping; cordate adhering to the stem.

Connate; when the bases of two leaves are grown together.

Decurrent; when the margin of the leaf is continued down the stem, adhering to it. Ex. Mullein.

Leaves as to their Apex.

Accuminate; with the summit prolonged into a long tapering point.

Acute; when ending in an acute angle.

Obtuse; terminating in an obtuse angle.

Truncate; with the end as if cut off square.

Retuse; with a rounded summit slightly indented.

Emarginate; with the apex more indented.

Obcordate; inversely heart-shaped.

Cuspidate; tipped with a sharp rigid point.

Mucronate; tipped with a point, like a projection of the midrib.

Aristate; when the point is extended into a long bristle.

Leaves as to Margin.

Revolute; when the margin is turned backward.

Entire; when the margin is an even flowing line.

Serrate; margin cut into sharp teeth directed forwards

Serrulate; minutely serrate.

Dentate; when the teeth point outwards.
Crenate; with broad, rounded teeth.
Repand; when the margin presents a wavy line.
Spinose; when it bends strongly outwards and inward.

Incised; when cut into sharp, deep, irregular teeth.
Fringed; when beset with stouter appendages.
Ciliate; when fringed with hairs.
Lobed; when the incisions do not extend more than half way from the margin to the mid-rib.
Cleft; when the incisions extend half way or more.
Parted; when the incisions do not quite reach the midrib.

Pectinate; pinnately divided into narrow and close divisions like the teeth of a comb.
Lyrate; an obovate, or spatulate leaf divided, with the end lobe large and roundish, and the lower lobes smaller.

Runcinate; like lyrate with the lobes directed downwards.
Divided; when the incisions extend to the midrib.

SUGGESTIONS.

Various modifications of the above occur which are designated by means of prefixes, as, we may have leaves which are Closely, Remotely, Doubly, Finely, Coarsely, or Appressed.—Serrate.—The number of times a leaf is Lobed, Cleft, Parted or Divided, should be noted by prefixing numerals, thus 5-Lobed, 7-Parted, etc.

SURFACE:

NO HAIRS.

Glabrous; smooth, i. e. destitute of hairiness.
Glabrous; covered with a whitish bloom. Ex. Cabbage leaf.
Punctate; covered with punctures, or small holes.
Verrucose; warty.
Glaucous; slightly glaucous.
Puberaceous; dusty or powdery on the surface.
Puberulent; same as last.
Maculate; spotted or blotched.
Glandular; bearing glands.

BEARING SOFT HAIRS.

Puberulent; minutely downy.
Pilose; few and short.
Pubescent; dense and short.
Villose; dense and long.
Silky, *Serraceous*; clothed with fine, appressed and glossy hairs.
Woolly, *Lanuginous*; long, curly or matted.
Velvety, *Velutinous*; very fine and close, velvety to the touch.
Floccose; clothed with locks or tufts.
Tomentose; clothed with a close and matted down.
Lobocobby; bearing long hairs like gossamer.
Downy; with soft pubescence.
Hairy; grayish-white from a fine pubescence.

BEARING STIFF HAIRS.

Scabrous; rough to the touch.
Hispid; beset with stiff bristly hairs.
Aculeate; beset with prickles.
Spinous; armed with spines.
Prickly; armed with prickles.
Ciliate; bearded with long stiff hairs.
Echinate; beset with prickles.
Strigose; clothed with sharp, close-pressed hairs or bristles.

Sedulose; bearing minute bristles.

STIPULES:

FORM:

The same terms are used here that are used in describing the forms of leaves. Prefix the number to the letters a, b, c, d, instead of writing the word.
Ligulate; the appendage between the blade and the sheath, in Grasses.

Oclarea; (a boot) a membranous sheath enclosing the stem from the node upwards. Ex. Polygonaceæ.

Tendrils; when filiform, and used for climbing.
Intrafoliaceous; within or before a leaf.

ADHESION.

Free; when not growing to the petiole.
Adnate; adhering to the petiole. Ex. Clover.
Clasping; adhering to and enclosing the stem.

GENERAL CHARACTER.

Membranous; thin and soft, like a membrane.
Foliateous; leaf-like.
Spinous; in the form of spines. Ex. Locust.
Staccate; like a bristle.

DURATION.

Fugacious; existing in the bud but dropping when the leaf expands.

Deciduous; falling before the leaf falls.
Persistent; remaining until the leaf falls.

SURFACE.

Use the same terms that are applied to the surface of the leaf.

BRACTS.

FORM:

The same terms are used to describe the form of bracts as are used to describe the leaf.

Prefix to the letters a, b, c, d, the number found opposite the word which describes the corresponding character of the General Outline, of the Base, of the Apex, and of the Margin of the leaf.

SURFACE:

Prefix the number opposite the word used, to describe the similar character of a leaf.

GENERAL CHARACTER:

Foliateous; leaf-like in texture.
Petaloidous; colored, resembling petals.
Membranous; thin and like a membrane.
Spinous; resembling spines.

INFLORESCENCE.

INDETERMINATE, or Axillary.

Solitary; when a single flower comes from the axil of an ordinary leaf.

Raceme; when single, pedicel flowers are arranged along a prolonged axis.

Corymb; a convex or flat-topped flower-cluster.

Umbel; when equal peduncles rise from a common point.

Panicle; an irregularly-branched compound raceme.

Thyrse; a compact panicle.

Spike; when sessile flowers are arranged along a lengthened axis.

Spike; a fleshy spike. Ex. Calla.

Catkin; a scaly spike. Ex. Willow, Poplar.

Head; a globular cluster of sessile flowers.

DETERMINATE, or [Terminal.]

Solitary; when a single flower terminates the stem.

Cyme; a flat-topped or convex flower cluster blossoming from the center outwards.

Panicule; a very compact cyme with upright appressed branches.

Glaucoid; a cyme condensed into a sort of head.

Verticillaster; a pair of dense cymes forming an apparent whorl. Ex. most Labiates.

SUGGESTIONS.

Such qualifying words as Simple or Compound, Few-fl. or Many-fl., Close or Spreading, Loose or Dense, Large or Small, etc., may be prefixed to many of the principal forms of inflorescence to denote a particular character. Sometimes the forms verge into one another. The blending is noted by combining the terms as Corymboso-Panicle, Racemose-Corymb, etc. Sometimes the two systems are combined, as in some Composite it occurs that the heads are in cymose clusters, and in some Labiates the verticillaster may be spicate, etc.

FLOWER.

KINDS:

Symmetrical; having the same number, or a multiple of the same number, of each kind of floral organs.

Unsymmetrical; when the number in each set is not the same or a multiple of the same.

Complete; when possessing all the organs that any flower has.

Incomplete; when destitute of one kind of organs.

Regular; when all the organs of the same kind have the same form and size.

Irregular; when they are not all of the same shape or size.

Perfect; bearing both stamens and pistils.

Imperfect; stamens or pistils wanting.

Staminate; when without the pistil.

Pistillate; when without stamens.

Petiole; maturing seed, and without stamens.

Sterile; same as staminate.

Neutral; having neither stamens nor pistils.

Monocious; when staminate and pistillate flowers are borne on the same plant.

Dioecious; when borne on different individuals.

Polygamous; when staminate, pistillate and perfect flowers are borne on the same plant.

PLAN:

Mono- or 1-nervous; a flower with but one organ of each kind.

Di- or 2-nervous; with two of each kind.

Tri- or 3-nervous; with three of each kind.

Tetra- or 4-nervous; with four of each kind.

STALK:

LENGTH.

The length may be given as long or short in inches or lines as 2' or 4', or as compared with the calyx or corolla, as -c. or 2c.

INVOLUCRE:

FORM.

Rosaceous; leaves or bracts in a single row loose and spreading.

Cup-Shaped; hemispherical, with the vertical diameter greater than the transverse.

Hemispherical; with the outline of half a sphere.

Cylindrical; long, with circular outline; and sides parallel.

Bell-Shaped; like the outline of a bell.

Conical; scales straight, slightly diverging, but close.

Ovoid; when shaped like a hen's egg.

SCALES.

Direction.

Appressed; crowded in upon the flowers.

Erect; rising directly upwards.

Spreading; loose and diverging.

Reflexed; turned back upon the stem.

INVOLUCEL:

The involucl when present is to be described in the same manner as the involucler by using the same terms. Prefix the small letter (i) before the terms which describe it.

RECEPTACLE:

FORM.

Urn-Shaped, hollow; as in the Rose.

Elongated; lengthened into a beak. Ex. G ramium.

DISK; an appendage of the receptacle.

Hypogynous; free from the pistil or calyx.

Perigynous; when it adheres to the base of the calyx.

Epigynous; when adhering to the ovary and expanding on its summit.

SURFACE.

Naked; destitute of any covering or appendage.

Smooth; without irregularities.

Punctate; dotted with small depressions.

Abrotate : having deep angular depressions, separated by thin partitions.
Bristly : covered with or bearing bristles.
Chaffy : bearing dry chuffy scales.
Fringed : bordered with slender processes.

CALYX AND COROLLA :

GAMOSEPALOUS.

GAMOPETALOUS.

SUGGESTION.

Prefix *c* before the words that describe the calyx, and *co* before the words that describe the corolla. Complete the description of the Calyx before giving that of the Corolla.

Form.

Rotate : wheel-shaped, tube very short.
Saucer-Shaped : rotate, with the border turned up.
Cup-Shaped : tube broad and not spreading.
Campanulate : bell-shaped, tube broad and spreading.
Funnel-form : tube long, narrow, and enlarging gradually.
Saber-form : tube long, slender, and limb spreading at right angles.
Urn-shaped : somewhat globular, contracted at the mouth.
Top-shaped : as in some of the Gentians.
Tubular : somewhat cylindrical throughout.
Ligulate : appearing as if a tubular form was split down one side, and spread out, strap-shaped.
Labiata : with irregular lobes forming lips.
Bilabiate : with two lips.
Galeate : when the upper lip is arched.
Ringent : when the lips are gaping, and throat open.
Personate : when the mouth is closed, or partly so, by a protuberance of the lower lip.
Sperred : when the base is prolonged into a hollow spur.
Saccate : when the base is protuberant, forming a sack.
Inflated : when swollen, dilated or bladderly.

Border of the Tube.

Entire : margin not broken or cut.
Truncate : appearing as though cut off.
Toothed : with short tooth-like projections.
Lobed : when the incisions extend, half way down or nearly so.
Cleft : when cut half way down or more.
Parted : when cut nearly to the base.
Pappus : the modified form of calyx found in the Composite flowers. It may be in the form of a Cup : as in the Mayweed.
Scales : as in the Sunflower.
Awes : when stiff and sharp as in the Tickseed.
Bristles : when in the form of capillary hairs.
The hairs may be
Naked : when there are no fine hairs on the sides.

Plumose : when fine hairs project outwards from the sides.

Smooth : when the surface is even.

Rough : when bearing irregular projections.

Single : when there is but one row.

Double : when there are two rows.

SUGGESTION.

Express the number of teeth, lobes, etc., by prefixing numerals, thus *c*, 5-lobed for, calyx five-lobed *co*, 5-cleft for corolla five-cleft.

In describing the lobing of labiate corollas prefix such expressions as 1-1-1 for upper lip equally 3-lobed and lower two-lobed, $\frac{1-2-1}{1-1}$ for middle lobe

upper lip twice as large as the side lobes, or $\frac{1-2-1}{3-3}$ when the lobes of the lower lip are largest, etc.

POLYSEPALOUS.

POLYPETALOUS.

Rosaceous : petals without claws, like the Rose.

Liliaceous : when the petals or sepals are erect spreading gradually towards their summit.

Crossiferous : where the four petals diverge equally from one another forming a cross.

Caryophyllaceous : where the petals have long narrow claws enclosed in the tube of the calyx.

Papilionaceous : resembling a butterfly. Ex. Sweet Pea.

Orchidaceous : the form of perianth peculiar to the Orchis.

Anomalous : too irregular for naming.

DURATION.

Persistent : when remaining until the fruit ripens.

Marcoseent : withering without falling off.

Deciduous : falling with the stamens.

Caducous : when falling off at the time of opening, as in the Poppy and Grape.

Acrescent : when continuing to grow after flowering.

COLOR.

Cyanic,

Green *G*.

Xanthic,

Blue-green *B-g* Yellow green *Y-g*

Blue *B* Yellow *Y*

Blue-violet *B-v* Yellow-orange *Y-o*

Violet *V* Orange *O*

Violet-red *V-r* Orange-red *O-r*

Red *R*.

SURFACE.

Prefix the number opposite the word used to describe the similar character of a leaf.

If the surface character is on the inside of the calyx or corolla, express it thus : < *ib* ; if on both sides, thus : 2 *c* < *zb*.

Often the calyx is ribbed or nerved as in the Mint Family when the character is denoted thus : 5-Nerved, 15-Nerved, etc. 5-Ribbed, 15-Ribbed, etc.

TEXTURE.*Petalobdous*; petal-like.*Herbaceous*; leaf-like.*Fleshy*; thickened with nourishment.**SEPALA AND PETALS.****Direction.***Appressed*; lying flat against, close-pressed together.*Spreading*; diverging loosely.*Reflexed*; turned downwards or backwards.**Form.**

Prefix the number opposite the word used to describe the similar form of a leaf.

ESTIVATION.*Open*; when the calyx or corolla is not closed over the other parts of the flower. Ex. Mignonette.*Volute*; when the parts are in contact edge to edge.*Induplicate*; valvate with the edges turned inwards.*Reduplicate*; valvate with the edges turned outwards.*Inbricate*; when one or more petals or sepals is wholly outside, overlapping two others by both its margins.*Contacted*; when each piece overlaps its neighbor all in the same direction, appearing twisted. Phlox.*Convolute*; when each piece wholly involves all that are within it.*Plicate*; when the tube is plaited.*Supervolute*; when the plaits are laid over one another in a convolute manner.*Vexillary*; when one piece, larger than the others, is folded over all the rest. Ex. Pea, Bean.**STAMENS:****POSITION.***Alternate*; when standing in front of the angle of the petals, or of the sepals when the petals are wanting.*Opposite*; when standing in front of the petals, or in front of the sepals when the petals are wanting.**INSERTION.***Hypogynous*; borne on the receptacle under the pistil.*Perigynous*; borne on the calyx.*Epigynous*; borne on the ovary apparently.*Gynandrous*; consolidated with the style.*Epipetalous*; borne on the petals.*On a Disk*; borne on the disk of the receptacle.**COHESION.***Monadelphous*; united by their filaments into one set.*Diadelphous*; united by their filaments into two sets.*Triadelphous*; united by their filaments into three sets.*Polyadelphous*; united into more than three sets.*Syngenesious*; united by their anthers.**LENGTH.***Didynamous*; four in number, two long, two short.*Tetradynamous*; six, four longer than the other two.**GENERAL FEATURES.***Included*; not protruding out of the corolla.*Everted*; protruding out of the corolla.*Sexile*; without a filament.*Univalent*; converging together.*Sterile*; filament without anther.**NUMBER.**

Mon, Di, Tri, Tet, Pent, Hex, Hept, Oct.

One, Two, Three, Four, Five, Six, Seven, Eight,

9, 10, 11, 12, 13, 14, 15, 16, 17, 18,

etc., up to twenty when Polyandrous, manyandrous or ∞ is used.**FILAMENT.****Form.***Capillary*; slender, hair-like.*Filiform*; thread-like.*Dilated*; flattened, or leaf-like.*Heavy*; thick in proportion to length.*Spurred*; with a process at the base. Ex. Violet.**Surface.**

Prefix the numbers of words used to describe the surface of leaves.

ANTHER.**Attachment.***Innate*; attached by its base to the apex of the filament.*Adnate*; attached by one face to the filament.*Versatile*; fixed by its middle to the apex of the filament.*Introrse*; turned towards the pistil.*Extrorse*; turned outwards.*Pendulous*; fixed by the apex, and hanging down.**Form.***Linear*; long and narrow.*Sagittate*; arrow-shaped.*oblong*; twice as long as wide.*Peltate*; shield-shaped.*Ovate*; egg-shaped.*Awned*; beaked. Ex. many of the Heath Family.*Reniform*; kidney-shaped,*Dimidiate*; lobes separated, (halved anthers).*Cordate*; heart-shaped.**Number of Cells.**

Express with numerals.

Dehiscence.*Lateral*; opening the whole length of the anther.*Transverse*; opening across the anther.*Porous*; opening by chinks or pores.*Opercular*; opening by valves upwards.**POLLEN.****Form.**

Spheroidal, Oval, Triangular, Polyhedral, etc.

Surface.

Smooth, Grooved, Striped, Banded, Dotted, Checked
Spinous, etc.

POLLINIA.

Position.

Pendulous, Vertical, Horizontal, Parallel, Diverg-
ing, Dorsal, etc.

Number.

1, 2, 3, 4, 5, etc., Pairs; if single, 1, 2, 3, etc.

Attachment.

Sessile, Stalked.

Character.

Smooth, Cobwebby, Mealy, Powdery, Waxy.

PISTIL:

KIND.

Closed: when of the ordinary sort.

GynospERMous: as in the Pine and Tamarrack.

COHESION.

Simple: composed of but one carpel and having but
one cell, style, stigma, and placenta.

Compound, composed of several carpels.

Multiple; a collection of simple pistils.

NUMBER.

Mono, Di, Tri, Tetra, Penta, Poly-gynous.

1, 2, 3, 4, 5 ∞ many.

STYLE.

Form.

Filiform; slender, thread like.

Subulate; awl-shaped.

Club-shaped; enlarging upwards.

Branching; dividing into branches.

Declinate; turned over to one side.

Position.

Terminal; rising from the top of the ovary.

Lateral; rising from the side of the ovary.

Basilar; spring from the base of the ovary.

STIGMA.

Position.

Terminal: on the summit of the style.

Lateral: on the side of the style.

Sessile: borne on the ovary.

Recurved: terminal, bent sharply to one side.

Form.

Diskoid; disk shaped.

Hemispherical; half a sphere.

Globose: nearly globular.

Filiform: thread like. Ex. Corn.

Linear: long and slender.

Peltate: shield shaped. Ex. Pitcher plant.

Fimbriate; fringed. Ex. Grasses.

Stellate: with radiating lines. Ex. Poppy.

Rostrate: bearing a beak.

hooded: resembling a hood. Ex. Violet.
Flabellate: fan shaped.

OVARY.

Adhesion.

Superior: free from the calyx.

Half-superior: calyx united half way up.

Inferior: calyx wholly adherent.

Form.

Linear Terete, Flattened, Oblong, Ovoid, Fusiform,
Conical, etc.

General Features.

Included: not protruding beyond the calyx.

Eserted: protruding beyond the calyx.

Stipitate: elevated on a stalk. Ex. Spurge.

Placentation.

Free-central: when the seeds are borne on a stalk in
the center of a one celled ovary.

Axillary: when the seeds are attached to the axis of
a compound pistil of two or more cells.

Parietal: when the seeds are arranged along the
sides of a simple or compound pistil. There may
be 1, 2, 3, etc., parietal placentae. In the parietal
placentation the seeds may cover nearly the whole
wall of the ovary, as in the Poppy and Gentian.

OVULES:

KINDS.

Anatropous: inverted with the raphe extending
from the base to the orifice.

Amphitropous: as in the last with the raphe ex-
tending half way from the base to the orifice.

Campylotropous: bent over to one side.

Orthotropous: straight, with the hilum at one end
and the orifice at the other.

DIRECTION IN OVARY.

Erect, rising directly upwards from the base.

Ascending, rising obliquely upwards.

Horizontal, inclining neither upwards nor down-
wards.

Pendulous, hanging obliquely downwards.

Suspended, hanging directly downwards from the
summit.

FRUIT.

DEHISCENCE:

Valvular.

Sutural, when it takes place at the sutures of any
one celled pod as in the Pea, Violet.

Septicidal, splitting through the partitions.

Loculicidal, opening into the back of the cell.

Septisragal, where the valves separate from the
partitions.

POROUS.

When opening by pores. Ex. Poppy.

CIRCUMSCISSILE.

When opening by a transverse circular line. Ex.
Purslane.

KINDS:

FLESHY.

Berry, rind membranous. Ex. Currant, Grape.
Hesperidium, leathery rind. Ex. Orange.
Pepo, rind hard. Ex. Pumpkin, Squash.
Pome, adherent fleshy calyx.

STONE.

Drupe, three-celled, one-celled. Ex. Plum, Cherry.
Elaeogy, a cluster of drupes. Ex. Raspberry.
Trochium, a dryish drupe, 2-celled, or fleshy, fibro-fleshy or woody, nucleus bony, cell often 2-parted. Ex. Butternut, Hickory.

DRY.

Indehiscent.

Achenium, coat free from the single seed.
Utricle, coat fitting loosely the single seed, and often splitting to discharge it.

Caryopsis, coat adherent to the seed. Ex. Grains.

Nut, *Glaucis*, coat hard, invested with an involucre. Ex. Acorn, Hazelnut.

Samaris; one-seeded, with a membranous wing. Ex. Maple.

Dehiscent.

Follicle; 1-celled, many-seeded, opening by ventral suture.

Legume; 1-celled, splitting into two halves.

Loment, a jointed legume, separating into 1-seeded portions.

Capsule; pod of two or more carpels opening by valves or pores.

Regma; when the carpels separate elastically but remain attached to the carpophore. Ex. Geranium.

Siliqua; a linear pod, 2-carpelled, 2-celled by false partitions.

Silicle; a short, broad siliqua.

Pyxis; many-seeded opening by a lid.

AGGREGATE.

When a cluster of carpels are closely packed on one receptacle. Ex. Raspberry, Fig.

ACCESSORY.

When the most conspicuous part does not belong to nor is adherent with the ovary. Ex. Rose-hip, Four o'clock.

MULTIPLE.

Strawite; such as the cone of the Pine and Tamarrack.

Gabutus; a more or less fleshy closed cone. Ex. Juniper.

FORM.

The form of the fruit often differs from that of the young ovary and needs a special description.

NO. OF CELLS.

The number of cells in the fruit often differs from that in the young ovary, being sometimes less and sometimes more.

ODOR.

Terms similar to those suggested under "General Features," may be used.

TASTE.

Terms similar to those named under "General Features," may be used.

PERICARP.

TEXTURE.

Membranous; papery.

Coriaceous; leathery.

Succulent; fleshy.

Woody; having a woody texture.

Bony; having a firm hard texture. Ex. Hazelnut.

Horny; resembling horn.

SURFACE.

The surface of the fruit may be described as other surfaces are.

COLOR.

The pericarp of the matured fruit usually presents a different color from that of the green fruit.

SEED.

NUMBER:

Prefix numerals when of a definite number. When indefinite, the character *z*.

FORM:

Such terms as Ovale, Ovoid, Oblong, Elliptical, Globose, Sub-globose, Ovat-globose, Reniform, Flattened, Rotate, Pulley-shaped, etc., are used to describe the form.

KIND:

Albuminous; when with albumen.

Escaluminous; when without albumen.

COATS:

OUTER.

Surface.

The surface may be described as other surfaces are

Texture.

Membranous; thin and soft, like a membrane.

Coriaceous; leathery.

Cristaceous; crusty, hard and brittle.

Bony; of the consistency of bone.

Corneous; of the consistency of horn.

APPENDAGES:

Aril; an accessory covering or appendage of the seed formed by a growth of the funiculus, hilum, or placenta.

Caruncle; an excrescence at the hilum of certain seeds. Ex. Polygala.

Strophiole; a cellular growth of the micropyle. Ex. Euphorbia.

Wing; a membranous expansion of the testa. Ex. Trumpet-honeysuckle.

Coma; a tuft of hairs. Ex. Silkweed.

ATTACHMENT :

Sessile; when destitute of seed-stalk.

Paniculate; when supported on a seed-stalk.

ALBUMEN :

QUANTITY.

Such terms as *Scanty*, *Abundant*, *Copious*, etc., are used to express this feature.

TEXTURE.

Farinaceous, mealy; dry and flour-like.

Oily; containing oil. Ex. Poppy.

Fleshy; when it can be easily cut. Ex. Barberry.

Mucilaginous; when it chiefly consists of mucilage or vegetable jelly. Ex. Morning Glory.

Cartilaginous; when resembling gristle. Ex. Blood-worts.

Cornaceous; having the texture of horn. Ex. Butter-cup.

Transparent; when it will allow the passage of light. Ex. Broom-rape.

Ruminated; when penetrated with holes or channels. Ex. Custard-apple.

EMBRYO :

FORM.

Slender, Long, Flat, Óvate, Ovoid, Spherical, etc.

SIZE :

Minute, Large; the length compared with the albumen may be expressed thus: $\frac{1}{4}$ Al, $\frac{1}{2}$ Al, $\frac{3}{4}$ Al, etc.

POSITION AS TO ALBUMEN.

Inside; enclosed by the albumen.

Outside; without the albumen.

Axial; at the center.

Excentric; within, to one side of the center.

Apical; at the apex, within or without.

Basilar; at the base, within or without.

Lateral; without, and on one side.

Perispheric; surrounding the albumen.

CONDITION.

Straight; as in the Cat-tail and Violet.

Curved; turned gradually to one side. Ex. Pink.

Bent; turned abruptly to one side. Ex. Buckwheat.

Annular; the two ends meeting to form a ring. Ex. Aramanth.

Coiled; with the ends carried by each other. Ex.

Hop.

Spiral; coiled like a spring. Ex. Rock-rose.

Convolute; rolled like a scroll. Ex. Indian Soap-wort.

Conduplicate; like incumbent, but the cotyledons bent so as to envelop the radicle. Ex. Cabbage.

Accumbent; the radicle turned round and applied to the edges of the cotyledons. Ex. Candy-tuft.

Incumbent; the radicle applied against the back of one of the cotyledons. Ex. False Flax.

RADICLE.

Direction.

Ascending; pointing to the apex of the fruit.

Descending; pointing to the base of the fruit.

Centripetal; pointing to the axis of the fruit.

Centrifugal; pointing to the side of the fruit.

Yugue; when it bears no evident or uniform relation of the kind to the pericarp.

Length.

Long, or Short; or when compared with the cotyledons, 1 Ct, $\frac{1}{2}$ Ct, $\frac{1}{4}$ Ct, $\frac{1}{2}$ Ct, 2 Ct, etc., for radicle equal, or $1\frac{1}{2}$, $\frac{1}{2}$, 2, etc., times the length of the cotyledons.

PLUMULE

Number.

Usually one, but sometimes several, as in the Skunk Cabbage.

Position.

Axial; in the axis between the cotyledons.

Inferior; at the end towards the base of the ovary.

Superior; at the end towards the summit of the ovary.

Lateral; next to one side of the ovary.

Size.

Conspicuous; when large enough to be easily seen with the naked eye.

Inconspicuous; when so small as to require a glass to observe it.

Form.

Foliateous; when it is leaf-like.

Other terms used to describe bodies of a similar form are applied here.

COTYLEDONS.

Form.

Foliateous; having the form of a leaf.

Sinuate; bent out and in. Ex. Walnut.

Thickened, Thin, Plano-convex, Lobed, Notched,

Linear, Ovate, etc.

Size.

Large, Small; as compared with the size of the seed

Number.

0 ; as in the Dodder.

1 ; as in the Corn, Lily,

2 ; as in the Bean, Oak.

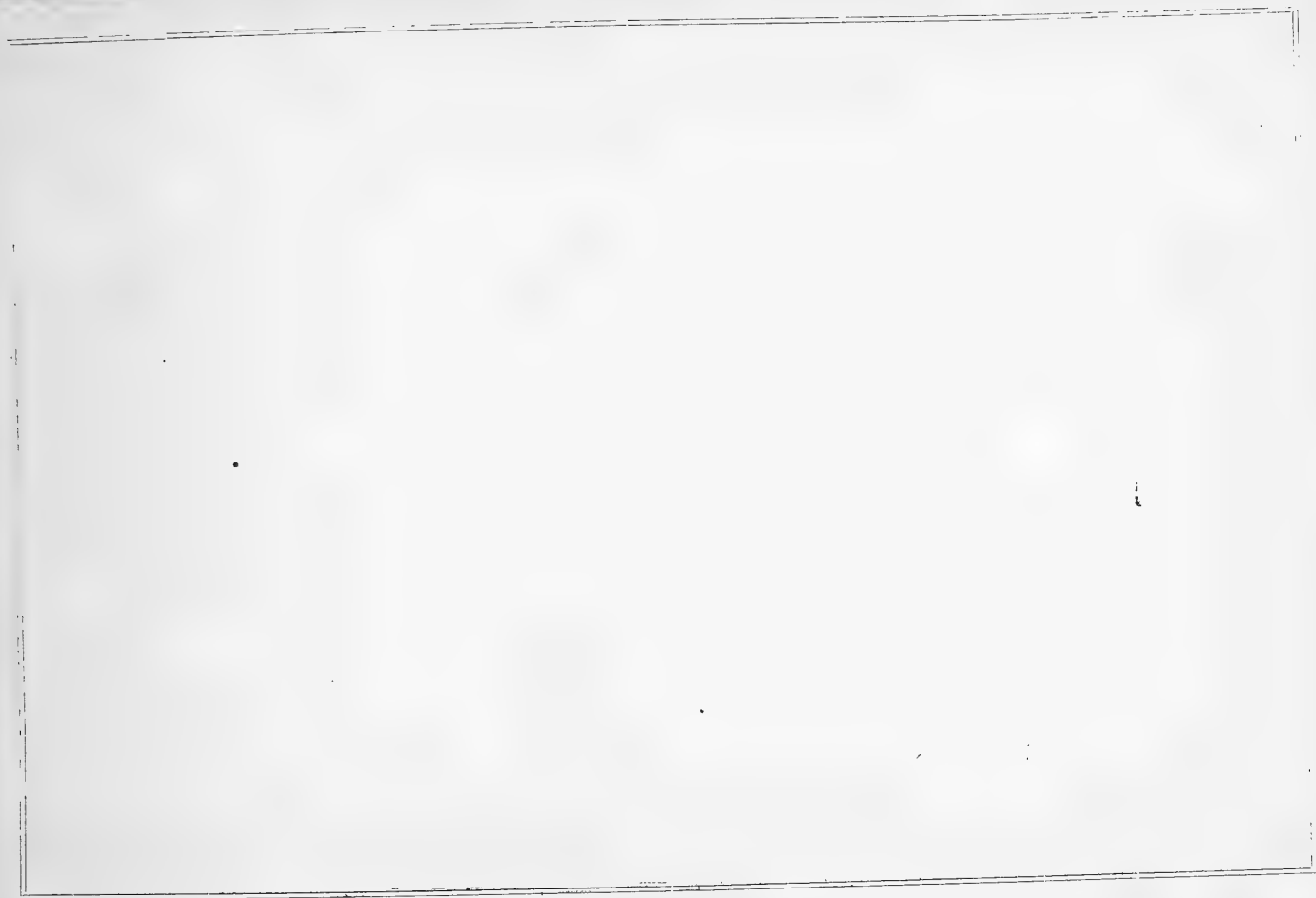
3 ; as in some Pines and accidentally in some Cruciferous plants.

4 ; as in the Hornwort Family.

Many ; as in many of the Conifere.

Texture.

This may be similar to the texture of the albumen.



SPECIMEN PAGE.

GENERAL FEATURES

Habit.

-terrestrial
aquatic
parasitic

Duration

-aerial
annual
biennial
perennial

Odor

Juice

-color
 Taste..... bitter
 Gen. Char.

ROOT.

-conical
fusiform
rhapiform
ramose
narrow
solvent
fibrous
fasciculate
aerial

Gen. Char.

STEM.

- X.....exogenous
 X.....endogenous
 nature
 X.....herbaceous
succulent
succulent
suffruticose
arborescent
arborescent

Dir. of Growth

- X.....erect
 X.....ascending
somit.....decumbent
diffuse
prostrate
creeping
climbing
twining

Branching

-simpliciter
furcate
erect
racemose
paniculate
corymbosae

X Form.

SpecialForms

-deliquescent
succulent
strobils
obovate
runners
tendrils
thorns

Gen. Char.

-terete
striate
grooved
4-angled.
 X.....solid

- 8.....spatulate
 9.....oblong
 10.....elliptical
 11.....oval
 12.....round
 13 lower 6-ovate
 14.....obovate
 15.....cuneate
 16.....

Surface

-a. b. c
 the

Color

Height

Underground

-rhizoma
corn
tuber
bulb

LEAVES.

-Kinds
upper
lower
 X.....stipulate
exstipulate
cupitate
basate

Arrangement

- On the Stem.
 X.....cauline
radial
rament
 Along the Axis.
alternate
scattered
rosetate
fasciculate
opp. asi e
 X.....obtusate
verticillate

Duration

- X.....persistent
deciduous

Vernation

Texture

-succulent
coriaceous
rugose
serrate
dentate
crenate
repand
sinuate
incised
fringed
ciliate
serrulate
lobed
cleft
parrted
pinnate
lyrate

X Netted.

-pinnate
3-nerved
5-nerved
radiate

Form.

-Composit.
pinnate
palmate
foliate

Simple, Leaflets

- a Gen. Outline
 1.....filiform
 2.....actular
 3.....acrose
 4.....subulate
 5.....linear
 6 upper lanceolate
 7.....oblancoate

- 14.....silkons
 15.....velvety
 16.....woolly
 17.....velvety
 18.....Stiff Hairs
 1.....scabrous
 2.....hispid
 3.....acuteate
 4.....spinous
 5.....prickly

Petiole

-Form
terete
grooved
compressed
leaf-like

End

-marginated
clasping
sheathing
Surface a. b. c.

Length.

stipules

- Form
 a.....b.....c.....d.....

Adhesion

-free
adnate
clasping
 Gen. Character
membranous
foliaceous
spinous
setaceous
persistent
deciduous
obscureous

Duration

-persistent
deciduous
obscureous

BRACTS

Form

- a.....b.....c.....d.....

Gen. Character

-tomaceous
petaloidous
membranous
spinous
chaffy,

INFLORESCENCE

Terminal

-solitary
cymose
cyclic
laxate
glomerule
verticillaster

Axillary

-Opposite
Solitary
raceme
corymb
umbel
panic
thyrsus
spike
saxat
catkin
nead

FLOWER.

Kinds

-un- symmetrical
 X.....complete
 X.....perfect
regular
staminate
pistillate
neutral

Odor

Plan

Stalk

-5-merous
Peduncle
 Length.....
 Surface.....a. b. c.
 Pedicel.....
 Length.....
 Height.....
 Surface.....a. b. c.

Involute

-Form
tomaceous
cup-shaped
hemispherical
bell-shaped
Cylindrical
conical
ovoid.

Scales

No. of rows.

Number.

-Direction
appressed
erect
spreading
reflexed

Form

- a.....b.....c.....d.....

Texture

-petaloidous
foliaceous
scarious
spinous
rigid
chaffy,

Receptacle

Form

-un-shaped
concave
flat
cylindrical
contorted
conical
convex
hemispherical

Disk.

-hypozygous
perigynous
epigynous
 Surface

-milked
smooth
punctate
filiculate
bristly

chaffy Texture	Calyx , Corolla amorphalous gamopetalous rotate saucer-shaped cup-shaped C. campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate	Sepals , Petals appressed spreading reflexed Number. sepals petals Form a. b. c. d. spurred petals a. b. c. d.	X versatile X intense exserted pendulous Form sagittate petiole awned upper cordate lower <i>hobbed</i> No. of Cells. <i>Dichocarya</i> lateral Pollen Pellucid	X in chaffed exserted Flacuation free-central axillary parted X oviparous anatropous amphitropous Dit. is Gravy X ascending horizontal pendulous suspended Color Surface, a. b. c. d.	Surface, a. b. c. d. Color Gen. Character creased thick furrowed SEED Number Form oblong ovate ovoid
Border truncate entire lobed cleft parted Pappus cup scales awns bristles	Aestivation copulate reduplicate imbricate contorted convolute plicata supervulvate	X closed Pistil Kinds open Collection simple multiple compound Stigma Number 1..... Number 1..... Position terminal lateral sessile	X berry pepo pome Stone strupe acheneum utricle samara follicle legume capsule silique silicle pyxis	Appendages floral caruncle strophole wing coma Albumen quantity Texture Color	Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Number Position Corymbons Form Pinnule Number Position Corymbons Form Size Number 2 Texture
P or C calyx corolla Surface calyx ribbed nerved corolla throat Texture	Stamens Number. 4 Position alternate opposite Insertion hypogynous perigynous epigynous gyneioris on a disk lobed epipetalous X linear filiform 2-left Style Form curved filiform branching decimate Position terminal lateral Number 1..... Number 1..... Surface, a. b. c. d.	X superior inferior No. of Cells 4..... Form lobed Surface, a. b. c. d. Gen. Features	..... + seed-like outlets Aggregate Accessory Multiple No. of Cells + Odor Taste Petiscarp Test. etc	Aggregates Accessory Multiple No. of Cells + Odor Taste Petiscarp Test. etc	Aggregates Accessory Multiple No. of Cells + Odor Taste Petiscarp Test. etc

REMARKS: Calyx closes over the ripening fruit.

ORDER: Labiateæ No. 1

Name, } (SCIENTIFIC, Scutellaria parvula.

LOCALITY, Moist pastures, Berlin, Wis.

DATE, June 25, 1875.

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
aquatic
parasitic
aerial
Duration annual
biennial
perennial
Odor

hollow
flexuose
geminate
canal joint
aerial
baccate
Color
Height
Underground
rhizome
tuber
bulb
LEAVES.
Kinds
sessile
petiole
stipulate
sessile
cylindrical
equitant
Arrangement
On the Stem.
radial
opposite
radical
rampant
Along the Axis.—
alternate
scattered
resiculate
fasciculate
opposite
verticillate
Duration
deciduous
Vernation
Texture
succulent
coriaceous
rugose
sericeous
Venation.
ferrugineous
straight
curved
transverse
Netted.
pinnate
3-nerved
5-nerved
radiate
Form.
Compound.
pinnate
palmate
foliate
Simple, Leaflets
a Gen. **Outline**
filiform
acicular
acrose
subulate
linear
oblongoaccolate

villos
silky
wooly
velvety
Soft Hairs
scabrous
hispid
aculeate
spinous
prickly
Petiole
Term
grooved
compressed
leaf-like
Kind
marginated
sheathing
Surface *a, b, c, d.*
Stipules
Form
a, b, c, d.
Adhesion
free
clashing
membranous
to haccous
spinous
Duration
persistent
deciduous
fragracious
BRACTS
Form
a, b, c, d.
ven. character
conate
petaloidous
membranous
spinous
INFLORESCENCE
Receptacle
Terminal
solitary
cyclic
ascende
glomerule
verticillaster
Axillary
solitary
raceme
corymb
umbel
panicle
thyrsus
spike
spadix
caten
head
FLOWER.
Kinds

Colon
Micro
Gen. Char.
ROOT.
Form
conical
fusiform
tupiform
rhizom.
solvent
fibrous
fasciculate
aerial
Gen. Char.
STEM.
exogenous
endogenous
texture
herbaceous
suffruticose
stratified
fruticose
arborescent
atrous
erect
assurgent
cespitosus
diffuse
prostrate
creeping
climbing
twining
simple
farcate
excurrent
racemose
paniculate
corymbos
deliquescent
suckers
stolon
offsets
runners
tendrils
thorns
terete
striate
grooved
angled
solid

spiculate
oblong
cylindrical
oval
round
ovate
obovate
cuneate
Bise
acuminate
acute
obtus
truncate
recess
emarginate
cordate
angulate
sagittate
hastate
pedate
reniform
oblong
obovate
recurvate
Ape
acuminate
teate
ontose
truncate
recess
emarginate
obcordate
angulate
imbricate
orbiculate
Megion
revolute
entire
seriate
dentate
crenate
repand
sinuate
incised
fringed
ciliate
lobed
clat
jagged
pinnate
lyrate
runcinate
divided
Surface
to hairs
glabrous
glauces
pubescent
verrucose
Soft Hairs
puberulent
pilos
pubescent

Symmetrical
complete
perfect
regular
staminate
pistillate
neutral
thromous
Odor
Plan
Stalk
reticulate
Length
Surface *a, b, c.*
Pencil
Length
Height
scape
Surface *a, b, c.*
INVOLUCRE
Form
cup-shaped
reticulate
beak-shaped
cylindrical
conical
ovoid
Scales
No. of rows.
Number.
Direction.
erect
spreading
reflexed
horn *a, b, c, d.*
Staff *a, b, c, d.*
variegated
petaloidous
funicular
scabrous
spinous
Figura
clarity
Form
horn-shaped
concave
flat
cylindrical
elongated
conical
convex
hemispherical
Disk.
perigynous
epigynous
Surface
naked
smooth
punctate
tuberculate
bristly

.....chaffy Texture	Sepals, Petals.....appressed.....spreading.....reflexed	.....versatile.....binate.....cymose.....pendulous Form.....sagittate.....pedate.....awned.....cordate.....obovate.....oblong.....obovate.....obovoid	.....included.....everted	Color.....ribbed.....furrowed	..........
Calyx, Corolla ..... .....	..... .....	.....	Fluorination .....	..... .....	SEED
Gamopetalous ..... .....	..... .....	.....	Kind	Form.....	.....
.....	.....	.....	Dir. in Ovary	Attachment.....	.....
Activation ..... .....	.....	.....	Coats	Coats.....	.....
.....	.....	.....	Number	Appendages.....	.....
Stamens ..... .....	.....	.....	Kind	Albumen.....	.....
.....	.....	.....	Stamens	Embryo.....	.....
.....	.....	.....	Position	Form.....	.....
.....	.....	.....	Insertion	Color.....	.....
.....	.....	.....	Length	Aggregate.....	.....
.....	.....	.....	Coherency	Accessory.....	.....
.....	.....	.....	Gen. Features	Multiple.....	.....
.....	.....	.....	Color	No. of Cells.....	.....
.....	.....	.....	Surface	Odor.....	.....
.....	.....	.....	Attachment	Taste.....	.....
.....	.....	.....	Texture	pericarp.....	.....
.....	.....	.....	.....	Form.....	.....
.....	.....	.....	.....	Gen. Features.....	.....

REMARKS:

ORDER:

No.

Name: (SCIENTIFIC,

(COMMON,

LOCALITY,

DATE,

187.....

chaffly Texture	capitate included exserted	Surface <i>a. b. c.</i>	Color Gen. Character	ribbed grooved narrowed
Calyx-Corolla Gamopetalous gamopetalous rotate saucer-shaped cup-shaped campanulate tubular form salver form tub-shaped top-shaped tubular ligulate lobate guttate ringent personate personate imbricated mitten saccate	versatile introrse extorse pendulous Form sagittate peltate awned cordate <i>lobed</i> No. of Cells Delicence lateral lateral	included exserted	Color Gen. Character	ribbed grooved narrowed
Stamens Number Position Insertion Inclination Length Diversity Cohesion Symmetry Gen. Features Attachment	versatile introrse extorse pendulous Form sagittate peltate awned cordate <i>lobed</i> No. of Cells Delicence lateral lateral	included exserted	Color Gen. Character	ribbed grooved narrowed
Pistil Kinds Cohesion Multiple Compound Number Stigma Position Lateral Sessile Form Discoïd lobed filiform linear Clype Filiform beakchin dehiscate Position Terminal lateral basilar Number Surface <i>a. b. c.</i>	orthotropous campylotropous anorthotropous amphitropous erect ascending horizontal pendulous suspended Number Color Texture Dehiscence Septicidal loculicidal septicidal circumscissile Kinds Berry Sepal Peltate Stano Dry acheneum utricule Samara foliicte legume capsule silique siliqua pnyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Textura membranous coriaceous succulent	included exserted	Color Gen. Character	ribbed grooved narrowed
Embryo Form Position Direction Length Plumule Number Position Cotyledons Form Size Number Texture	orthotropous campylotropous anorthotropous amphitropous erect ascending horizontal pendulous suspended Number Color Texture Dehiscence Septicidal loculicidal septicidal circumscissile Kinds Berry Sepal Peltate Stano Dry acheneum utricule Samara foliicte legume capsule silique siliqua pnyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Textura membranous coriaceous succulent	included exserted	Color Gen. Character	ribbed grooved narrowed
Border Number Form Attachment	orthotropous campylotropous anorthotropous amphitropous erect ascending horizontal pendulous suspended Number Color Texture Dehiscence Septicidal loculicidal septicidal circumscissile Kinds Berry Sepal Peltate Stano Dry acheneum utricule Samara foliicte legume capsule silique siliqua pnyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Textura membranous coriaceous succulent	included exserted	Color Gen. Character	ribbed grooved narrowed
Portepetalus Polypetalous resaccous filicous cruciferous eryophyllous papilionaceous anomalous Duration Deciduous marcescent persistent Color Calyx Corolla Surface Calyx ribbed nerved corolla throat Texture	orthotropous campylotropous anorthotropous amphitropous erect ascending horizontal pendulous suspended Number Color Texture Dehiscence Septicidal loculicidal septicidal circumscissile Kinds Berry Sepal Peltate Stano Dry acheneum utricule Samara foliicte legume capsule silique siliqua pnyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Textura membranous coriaceous succulent	included exserted	Color Gen. Character	ribbed grooved narrowed

REMARKS:
ORDER:

Name, { SCIENTIFIC,
COMMON,
LOCALITY,

No.
DATE, 187

CHECK TABLE.

GENERAL FEATURES.	8 spatulate	4 villous	..... symmetrical
Habit.	9 hollow	5 silky	..... complex
..... terrestrial	10 geniculate	6 woolly	..... perfect
..... aquatic	11 umbilical joint	7 velvety	..... regular
..... parasitic	12 round	Stiff Hairs	..... stipulate
..... aerial	13 ovate	1 scarious	..... fissilate
Duration	14 obovate	2 hispid	..... netrat
..... annual	15 cuneate	3 ciliate	Odor
..... biennial	16 mucronate	4 spinous	..... mucronous
..... per-annual	17 horn	5 prickly	Plan
Odor	18 tuber	6 petiole	.....
Juice	19 bulb	7 Form	.....
Color	20 sessile	8 Petiole	.....
Taste.	21 p. citolate	9 Length	.....
Gen. Char.	22 stimulate	10 Surface	.....
ROOT.	23 exstipulate	11 Kind	.....
Form	24 equitant	12 marginid	.....
..... conical	25 scutellate	13 clasping	.....
..... fusiform	26 scutellate	14 sheathing	.....
..... napiform	27 fasciculate	15 Surface	.....
..... rumose	28 scutellate	16 Length	.....
..... fibrous	29 opposite	17 Stipules	.....
..... fasciculate	30 verticillate	18 Form	.....
..... aerial	31 persistent	19 Adhesion	.....
Gen. Char.	32 deciduous	20 Free	.....
STEM.	33 succulent	21 abate	.....
..... herbaceous	34 coriaceous	22 clasping	.....
..... suffruticose	35 rugose	23 membranous	.....
..... fruticose	36 S. ovate	24 foliaceous	.....
..... arborescent	37 serrate	25 spinous	.....
..... arborescous	38 dentate	26 S. cretous	.....
..... succulent	39 crenate	27 persistent	.....
..... decum	40 repand	28 deciduous	.....
..... erect	41 curved	29 S. cretous	.....
..... decum	42 transverse	30 persistent	.....
..... diffuse	43 Netted	31 deciduous	.....
..... prostrate	44 pinnate	32 micromerte	.....
..... creeping	45 3-nerved	33 urislate	.....
..... climbing	46 5-nerved	BRACTS	.....
..... twining	47 radiate	Form	.....
Branching	Form.	a b c d .....	.....
..... simple	..... pinnate	..... Surface	.....
..... furcate	..... palmate	..... vol. Character	.....
..... excurrent	..... foliate	..... scarious	.....
..... racemose	Special forms	..... petaloidous	.....
..... paniculate	..... stalkers	..... scarious	.....
..... corymbose	..... stolons	..... spinous	.....
..... diffuse	..... stolons	..... Pigit	.....
..... deliquescent	..... stolons	..... Chaly.	.....
..... stalkers	..... stolons	INFLORES- CENCE	.....
..... offsets	..... stolons	Terminal	.....
..... tendrils	..... stolons	..... solitary	.....
..... thorns	..... stolons	..... cyme	.....
..... teretic	..... stolons	..... fascicle	.....
..... striate	..... stolons	..... glomerule	.....
..... angled.	..... stolons	..... verticillaster	.....
..... solid	..... stolons	AXILLARY	.....
	..... stolons	Solitary	.....
	..... stolons	..... raceme	.....
	..... stolons	..... corymb	.....
	..... stolons	..... umbel	.....
	..... stolons	..... panicle	.....
	..... stolons	..... glaucous	.....
	..... stolons	..... glaucous	.....
	..... stolons	..... thyrus	.....
	..... stolons	..... spike	.....
	..... stolons	..... spatix	.....
	..... stolons	..... catkin	.....
	..... stolons	..... head	.....
	..... stolons	FLOWER	.....
	..... stolons	Kinds	.....
	..... stolons	..... puberulent	.....
	..... stolons	..... pilosus	.....
	..... stolons	..... pubescent	.....
	..... stolons	..... pubescent	.....

.....chafy Texture	.....versatile infrorse extrorse pendulous Form	.....included en-serted	.....Surface, <i>a. b. c. e.</i> Color
Calyx, Corolla Gamopetalous Gamopetalous.....rotate saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate galeate ringent personate spurred bilobed saccate	.....sepalite pendulous Form.....sepalite pedicelate awaked cordate <i>lobed</i> No. of Cells, Dehiscence.....lateral Pollen Pollinia	.....Flacination pre-central axillary aristal	.....Gen. Character ribbed grooved furrowed
Aestivation.....valvate induplicate reduplicate imbricate contorted convolute plicate.....supervolv.	Pistil.....closed open Cohesion.....simple monoph. compound	.....Kinds fleshy berry pepo pome	SEED Number.....rolling ovoid ovate
Stamens Number..... .....alternate.....opposite.....epigynous.....perigynous.....epigynous gynandrous.....on a disk.....epitelaous.....Length.....long.....short.....didynamous.....tetradynamous.....Cohesion.....adelphous.....syn-gonous	Stigma.....terminal.....lateral.....sessile Form.....discoïd globose lobed filiform.....linear Style Form.....filiform.....branching.....decumbate Position.....terminal.....lateral.....basilar Number..... Surface, <i>a. b. c. e.</i>	FRUIT.....schizoid.....bilocidial.....circumscissile	Attachment.....sessile.....funiculate Coats Surface, <i>a. b. c. e.</i> Color Texture
Borer.....truncate entire lobed cleft parted Fibrous.....cup.....scales.....awns.....bristles Foveolus Polyperalous.....resaraceous.....Riaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....monilious	Fructification.....terminal.....lateral.....sessile Form.....discoïd globose lobed filiform.....linear Style Form.....filiform.....branching.....decumbate Position.....terminal.....lateral.....basilar Number..... Surface, <i>a. b. c. e.</i>	Embryo Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Radicle Direction Length Plumule Position Cotyledons Form Size Number Texture	Albumen quantity Texture Color
Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla.....calyx.....ribbed.....nerved.....corolla.....throat Texture	Gen. Features.....included.....sessile.....connivent Filament Form.....capillary.....filiform Surface, <i>a. b. c. e.</i> Number..... Attachment.....imbricate.....adnate	Aggregato.....Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	Pericarp Texture

REMARKS:

ORDER:

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

No.

DATE, 187.....

CHECK TABLET.

GENERAL FEATURES

Habit.....terrestrial
aquatic
aerial
Duration.....biennial
perennial

Odor

Juice.....
Color.....
Gen. Char......
ROOT.

Form.....
fusiform
napiiform
rhizome
sclerot
fibrous
fistulose
aerial

Gen. Char.

STEM.
exerguous
endogenous

Nature.....herbaceous
suffruticose
suffruticose
fruticose
arborescent
arborescent
Dir. of Growth

.....erect
decumbent
procumbent
erect
climber
twining
simple
furcate
excurrent
racemose
paniculate
corymbose
diffuse

Branching

.....simple
furcate
excurrent
racemose
paniculate
corymbose
diffuse

Special Forms

.....suckers
stolons
offsets
runners
tendrils
thorns

Gen. Char.

.....suckers
grooved
angled
solid

.....hollow
flexuose
canalulate
tendril joint
Surface

.....b.....c
ovate
Color.....
Height.....
Underground

.....tuber
bulb
LEAVES.
Kinds.....

.....sessile
petiolate
exstipulate
equitant
Arrangement

On the Stem.
cataline
radial
ramial
Along the Axis.

.....alternate
scattered
resolute
fasciculate
opposite
verticillate
Duration

.....persistent
deciduous
Vernation
Texture

.....saculent
coriaceous
fugose
s.....ous
Venation.

.....straight
curved
transverse
Noted.
pinnate
3-nerved
5-nerved
radiate

Form.

Compound.
pinnate
lobate

Simple, Lacinia
Gen., Ovary

.....filiform
acicular
acrose
subulate
linear
hincolate
oblanccolate

.....spatulate
oblong
elliptical
oval
Surface

.....ovate
obovate
cuneate

Base.....
acuminate
acute
obtuse
truncate

.....retuse
emarginate
cordate
auriculate
sagittate
hastate

.....peltate
reniform
claspingle
comate
decurrent

Apex.....
acuminate
acute
obtuse
truncate
retuse

.....emarginate
obcordate
cuspidate
macronate
aristate

Morph.

.....entire
serrate
dentate
crenate
repand
sinuate
incised
fringed
ciliate
serrulate
lobed
cleft
parted
pectinate
lyrate
runcinate
divided

Surface

No Hair
glabrous
glaucesc
punctate
pubescent
verrucose

Soft Hairs
puberulent
pilose
pubescent

.....villous
silky
wooly
velvety
Stiff Hairs

.....sericeous
hispid
spinosus
prickly

Petiole
Form.....
terete
grooved
compressed
leaf-like

Kind.....
marginied
claspingle
sheathing
Surface.....
Length.

.....a.....b.....c.....d.....
Stipules
Form.....
Adhesc.

.....tree
climber
Gen. Character
membranous
lobaceous
spinous
setaceous
persistent
deciduous
fugacious

BRACTS
Form.....
a.....b.....c.....d.....
Surface.....
Gen. Character

.....lobaceous
petalaceous
membranous
spinous
INFLORESCENCE
Receptacle
Terminal

.....solitary
cyme
dascicle
glomerule
verticillaster

Axillary
solitary
raceme
corymb
umbel

.....panicle
thyrsus
spike
stachis
catkin
head

FLOWER.
Kinds

.....symmetric, ad
complete
paricel
regular
staminate
bisexual
neutral

Odor.....
Plan.....
Stralk.....
Receptacle

Length.....
Surface.....
Length.

.....a.....b.....c.....
involute
Form.....
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid

Scales
Gen. Character
No. of rows.
Number.
Direction.

.....appressed
erect
spreading
reflexed

Form.....
Surface.....
petaloidous
lobaceous
scariosus
spinous
right
shady

Receptacle
Form.....
urn-shaped
concave
flat

.....cylindrical
elongated
conical
convex
hemispherical

Disk.
hypogynous
perigynous
epigynous
Surface

.....naked
smooth
punctate
alveolate
bristly

.....chaffy	.....versatile	.....included	.....Surface, <i>a. b. c.</i>
Texture	.....introrse	.....included	Color
Calyx, Corolla	.....extorse	.....prescent	Gen. Character
Campeplous	Form	.....axillary	.....lobed
Gampelous	.....sepalate	.....parietal	.....furrowed
.....rotate	.....pedate	.....ovules	SEED
.....cup-shaped	.....pedate	.....Kind	Number
.....campanulate	.....ovoid	.....anthropous	.....oblong
.....funnel-form	No. of Cells	.....anthropous	.....ovate
.....salver-form	Dehiscence	.....anthropous	.....ovoid
.....urn-shaped	.....lateral	Dir. in Ovary	Attachment
.....top-shaped	Pollen	.....ascending	.....limulate
Attachment	Filament	.....pendulous	Coats
.....tubular	.....adaxial	.....suspended	Surface, <i>a. b. c.</i>
.....lobulate	.....basilar	FRUIT	Color
.....lobate	Pistil	.....septoid	Texture
.....gibbate	Kind	.....loculoid	Appendages
.....gibbata	Cohesion	.....circumscissile	.....aristate
.....personate	.....simple	.....circumscissile	.....winged
.....spurred	.....multip- lobed	Number	.....long
.....inflated	.....complanate	.....Tortica	Albumen
.....sac-like	.....sigma	.....berry	Genativity
Borbor	Number	.....pepo	Color
.....trapezic	.....Tortica	.....stone	Texture
.....cubie	.....terminal	.....drupe	Embryo
.....lobed	.....lateral	Dry	Form
.....paired	.....basilar	.....achonium	.....straight
Pappus	Number	.....samara	.....bent
.....cup	Insertion	.....follicle	.....rolled
.....scales	.....hypogynous	.....legume	Size
.....awns	.....perigynous	.....capsule	as to Albumen
.....bristles	.....epigynous	.....silique	.....radicle
Polysepal us	.....gynandrous	.....siliqua	Direction
Polysepal us	.....on a disk	.....siliqua	Length
Polysepal us	.....epicarpous	.....Folium	.....pyxis
.....ribaccous	Length	.....linear	Aggregat
.....filaccous	.....long	.....Style	Accessory
.....eruciferous	.....short	.....filiform	Multiple
.....erythryllaceous	.....dilatatum	.....brachium	No. of Cells
.....papillaceous	Cohesion	.....declinate	Odor
.....anomalous	.....adplousous	.....Position	Taste
Duration	.....included	.....terminal	Pericarp
.....deciduous	.....exserted	.....lateral	Texture
.....marcescent	.....sessile	Number	.....membranous
.....persistent	.....comitant	Surface, <i>a. b. c.</i>	.....cartaceous
Color	Filament	Gen. Features	.....succulent
.....calyx	Form	.....Ovary	
.....corolla	.....capillary	Addaxon	
Suffice	.....filiform	.....superior	
.....ribbed	Surface, <i>a. b. c.</i>	.....inferior	
.....nerved	.....No. of Cells	Form	
.....corolla	Anchor	Attachment	
.....throat	.....limite	.....adaxiale	
Texture	.....adaxiale		

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
 { COMMON,
LOCALITY,

DATE, 187.....

CHECK TABLET.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
Duration aerial
 annual
 biennial
 perennial

Odor

Juice
 Color
 Taste
 Gen. Char.
ROOT.

Form

..... conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aereal

Gen. Char.

STEM.

..... exogenous
 ending enou
Nature herbaceous
 suffruticose
 fruticose
 arborescent
Dir. of Growth erect
 assurgent
 decumbent
 ditumesc

..... prostrate
 creeping
 climbing
 twining
Branching simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse
 deliquescent

Special Forms

..... stalks
 obkots
 runners
 tendrils
 thorns
Gen. Char. terete
 striate
 grooved
 nuckled
 solid

8 hollow
 9 flexuose
 10 geniculate
 11 tumid joint
 12 oval
 13 sessile
 14 obtusate
 15 lobed
 16 rhizoma

Surface

..... reticulate
 striate
 tuberculate
 verrucate
Color
Height
Underground

Leaves.

Kinds sessile
 petiole
 stipulate
 exstipulate
 equitant
Arrangement
 On the Stem.
 cauline
 radical
 runcinate
 decurrent
 alternate
 scattered
 fasciculate
 opposite
 verticillate

Duration persistent
 deciduous
Vernation
Texture succulent
 rugose
 scabrous
Venation. straight
 curved
 transverse

Noted.

..... panicate
 3-nerved
 5-nerved
 triulate
Form. Compound.
 palmate
 pinnate
 lobed
 cleft
 parted
 pectinate
 lyrate
 runcinate
 divided

Surface

No hairs
 glabrous
 glaucous
 punctate
 verrucose
Set hairs
 pubescent
 pilosus
 pubescent

Surface

..... No hairs
 glabrous
 glaucous
 punctate
 verrucose
Set hairs
 pubescent
 pilosus
 pubescent

Surface

..... No hairs
 glabrous
 glaucous
 punctate
 verrucose
Set hairs
 pubescent
 pilosus
 pubescent

Surface

..... No hairs
 glabrous
 glaucous
 punctate
 verrucose
Set hairs
 pubescent
 pilosus
 pubescent

..... symmetrical
 complete
 perfect
 regular
 staminate
 pistillate
 neutral

Odor

..... microus
Plan
Stalk
 Peduncle
Length
Surface
Length
Kind
Height
Surface
Involucere
 Form

Gen. Char.

..... cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
Scapes
No. of roots
Number
Direction.
 erect
 spreading
 reflexed

Duration
 deciduous
Form
Surface
Feature
 petaloidous
 foliaceous
 scarious
 spinous
 Fig. 1
 chafly.

Influrescence

Terminal
 solitary
 cymic
 fascicled
 glomerule
 verticillaster
Axillary
 racemose
 corymb
 umbel
 panicle
 thyrsus
 spike
 spatix
 catkin
 head

Flowers.

..... pubescent
 pilosus
 pubescent
Kinds
 Disk.
 polygynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

Flowers.

..... pubescent
 pilosus
 pubescent
Kinds
 Disk.
 polygynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

Flowers.

..... pubescent
 pilosus
 pubescent
Kinds
 Disk.
 polygynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

Flowers.

..... pubescent
 pilosus
 pubescent
Kinds
 Disk.
 polygynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

.....chauffy Texture	.....versatile introse extrose pendulous form.....sagittate.....pellate.....cordate.....lobed No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	.....Surface, a. b. .c.
Calyx-Corolla G. ....mossopulous Gamopetalous.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....silver-form.....urn-shaped.....top-shaved.....tubular.....ligulate.....lobate.....galeate.....ringent.....perianate.....spurred.....induced.....saccate	.....sessile.....introse.....pendulous.....sagittate.....pellate.....cordate.....lobed No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	.....Color Gen. Character.....ribbed.....grooved.....incurved
Aestivation.....open.....valvate.....reduplicate.....induplicate.....imbricate.....contorted.....convolute.....phicte.....supervolv. b.	.....No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	SEED Number
Stamens Number.....alternate.....opposite Insertion.....hypogynous.....perigynous.....epigynous.....axillary.....on a disk.....epipetalous	.....closed.....open.....simple.....multiple.....compound Stigma Position.....terminal.....lateral.....sessile Form.....obcordate.....obovate.....oblong.....filiform.....linear Style Form.....filiform.....praechin.....decimate Position.....terminal.....lateral Number Surface, a. b. .c.	.....included.....cassited Placination.....pre-central.....axillary.....parietal	Form.....oblong.....sessile.....funiculate Surface, a. b. .c.
Bract.....truncate.....obovate.....lobed.....cleft.....part 1	.....No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	Attachment.....sessile.....funiculate Coats Surface, a. b. .c.
Papua.....scales.....awns.....bristles	.....No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	Appendages.....capitate.....strophob- .....wing.....comit
Poysopal us Polystelaeus.....ros-acorns.....filaceous.....cruciferous.....eryophyllaceous.....papilionaceous.....anomalous	.....obcordate.....obovate.....oblong.....filiform.....linear Style Form.....filiform.....praechin.....decimate Position.....terminal.....lateral Number Surface, a. b. .c.	.....included.....cassited Placination.....pre-central.....axillary.....parietal	Albumen Quantity Texture Color
Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	Embryo Form.....straight.....bent.....rolled Size.....outside.....inside.....radicle Direction.....Pinnule.....Number.....Position.....Cotyledons.....Form
Texture	.....No. of Cells, Peltose-ve.....lateral Folion Fellinia	.....included.....cassited Placination.....pre-central.....axillary.....parietal	.....Size.....Number.....Texture

REMARKS :

ORDER :

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

No.

DATE,

187.

CHECK TABLET.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 per-annual

Odor

Juice
Color
Taste
Gen. Char.
ROOT.

Form conical
 fusiform
 filiform
 napiform
 rhizose
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

STEM.
 exogenous
 endogenous
Nature herbaceous
 suffruticose
 fruticose
 arborescent
 arboreal
 erect

Dir. of Growth

..... assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
Branching
 simple
 forate
 recurrent
 racemose
 paniculate
 corymbose
 diffuse

Branching

..... deliquescent
SpecialForms
 suckers
 stolons
 offsets
 runners
 tendrils
 thorns

Gen. Char.

..... berate
 striate
 grooved
 angled
 solid

..... hollow
 flexuose
 geniculate
 geniculate
 tumid joint
 oval
 round
 ovate
 obovate
 euneate
 emarginate
 cordate
 auriculate
 hastate
 pelvate
 reniform
 clasping
 connate
 decurrent

Surface

..... a.
 b.
 c.
Color
Height
Underground

..... hizonia
 corn
 tuber
 bulb
LEAVES.

Kinds sessile
 petiolate
 stipulate
 exstipulate
 equitant

Arrangemen

On the Stem.
 radical
 cauline
 terminal
 axillary

Along the Axis.

..... alternate
 scattered
 fasciculate
 opposite
 verticillate
Duration persistent
 deciduous

Vernation

..... succulent
 coriaceous
 entire
 serrate
 dentate
 crenate
 crenate
 sinuate
 fringed
 ciliate
 serrulate
 lobed
 cleft

Texture

..... 3-nerved
 5-nerved
 radiate

Form.

..... pinnate
 palmate
 foliate

Simple, Leaders

..... *Gen. Outline*
 fliform
 acicular
 acerosc
 subulate
 linear
 lanceolate
 oblanccolate

..... villous
 silky
 woolly
 velvety
 spinulate
 neutral

SHF Hairs

..... scarios
 hispid
 acute
 spinous
 prickly

Petiole

Form terete
 grooved
 compressed
 leaf-like
Kind margined
 clasping
 sheathing

Kind

..... a.
 b.
 c.
 d.
Stipules
Form
Adhesion free
 adnate

Gen. Character

..... membranous
 foliaceous
 stipulous
 persistent
 deciduous
 fugacious

Duration

..... erect
 spreading
 reflexed
BRACIS
Form
 a.
 b.
 c.
 d.
Surface. a.
 b.
 c.
 d.

Gen. Character

..... foliaceous
 petalaceous
 membranous
 spinous
 scabrous
 scarios

INFLOR.

CENCE
Receptac
Form urn-shaped
 concave
 flat
 cylindrical
 compressed
 conical
 convex
 hemispherical

Axillary

..... solitary
 cymose
 fasciate
 glomerule
 verticillaster
Terminal solitary
 racemose
 corymb
 umbel
 panic
 thyrsois
 spike
 spadix
 cincinn
 head
 naked
 smooth
 punctate
 alveolate
 bristly

FLOWER.

Kinds pubescent

..... symmetrical
 complete
 perfect
 regular
 staminate
 neutral

Odor

..... microns

Stalk

Peduncle
Length.
Surface. a.
 b.
 c.
Pedicel
Length.
Kind margined
 clasping
 sheathing

Kind

..... rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid

Scales

.....
No. of rows.
Number.
Direction.
 appressed
 erect
 spreading
 reflexed

Form

..... a.
 b.
 c.
 d.
Surface. a.
 b.
 c.
 d.

Gen. Character

..... foliaceous
 petalaceous
 membranous
 spinous
 scabrous
 scarios

INFLOR.

CENCE
Receptac
Form urn-shaped
 concave
 flat
 cylindrical
 compressed
 conical
 convex
 hemispherical

Axillary

..... solitary
 cymose
 fasciate
 glomerule
 verticillaster
Terminal solitary
 racemose
 corymb
 umbel
 panic
 thyrsois
 spike
 spadix
 cincinn
 head
 naked
 smooth
 punctate
 alveolate
 bristly

FLOWER.

Kinds pubescent

.....chaffy Texture	Sepals, Petals.....appressed.....spreading.....reflexedversatile.....introse.....extrorse.....pendulousincluded.....exsertedSurface <i>a. b. c.</i> Color Gen. Character
Calyx. Corolla G. monopalous Gampotaloussepals.....petals Form.....a. b. c. d. .....spurred.....petals.....a. b. c. d.sigillate.....pedate.....awned.....cordate.....notched.....Dehiscence.....lateralfree-centered.....axillary.....parietal	SEED Number Form.....oblong.....ovoid
.....cup-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....lobulate.....lobate.....bilobate.....ciliate.....fringed.....perianth.....spurred.....indented.....saccate	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....phicte.....supervolvate	.....orthotropous.....campitropous.....anatropous.....ambitropous Dir. in Ovary.....erect.....ascending.....horizontal.....pendulous.....suspended	Attachment sessile.....funiculate Coats Color Texture
Border.....tremate.....entire.....lobed.....cleft.....perfed Pappus.....cup.....scales.....awns.....bristles	Stamens Number.....opposite.....inclusion.....hypogynous.....perigynous.....epigynous.....synantrous.....on a disk.....epipetalous Length.....long.....short.....didynamous.....tetradynamous.....adcliptous.....syngenesious	.....closed.....open.....simple.....compound.....Stigma Position.....terminal.....lateral.....sessile	Alburnum Quantity Texture Color
Poyeopal us Polypetalous.....rosaceous.....liliaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....anomalous	.....Gen. Features.....included.....exserted.....sessile.....comminute.....Filament Form.....capillary.....filiform Surface <i>a. b. c.</i> Anchor Attachment.....innate.....adnate	.....Form.....disoid.....globose.....lobed.....iniform.....linear Eye Form.....branchin.....deciduate Position.....terminal.....lateral.....basilar Number Surface <i>a. b. c.</i> Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form Surface <i>a. b. c.</i> Gen. Features	Embryo Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Radicle Direction Length Funnels Number Position Cotyledons Form Size Number Texture
.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Surface.....calyx.....ribbed.....nerved.....corolla.....throat		.....aggregatio.....Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	
Texture				

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY, DATE, 187.....

.....chaffy Texture	.....versatile.....hirsute.....extrorse.....pendulous Form	.....included.....enserted	.....Surface, <i>a. b. c.</i> Color
Calyx-Corolla	.....sepalate.....petals Form	Placitation.....free-central.....axillary.....parted	Con. Character.....ribbed.....grooved.....unrowed
Gamopetalous	.....sepalate.....petals Form	Ovules Kind.....orthotropous.....campylotropous.....matropous.....anatropous	SEED Number.....oblong.....ovate.....ovoid
.....saucer-shaped.....cup-shaped.....cymulate.....funnel-form.....silver-form.....urn-shaped.....top-shaped	.....a. b. c. d. .....spurred.....petals.....a. b. c. d.	Dir. in Ovary.....ascending.....horizontal.....pendulous.....suspended	Attachment.....sessile.....filiculate
Aestivation	.....valvate.....induplicate.....retrorse.....imbricate.....contorted.....convolute.....plicate.....supervolvate	Dehiscence.....sepaloid.....loculicidal.....separately.....circumscissile	Coats Surface, <i>a. b. c.</i> Color Texture
Border	.....truncate.....entire.....lobed.....cleft.....parted	Kinds Fleshy.....berry.....pepo.....pome	Albumen quantity Texture Color
Pappus	.....opposite.....lateral.....bristly.....capitate.....bristles	Embryo Form.....straight.....bent.....rolled	Size.....Position as to Albumen.....outside.....inside
.....seals.....awns.....bristles	.....Form.....discoid.....globose.....lobed.....filiform.....linear	AGGREGIS.....ACCESSORY.....Multiple	Direction.....Length.....Filament.....Number.....Position
Polycepal us	.....Length.....long.....short	No. of Cells	Radicle
Polypetalous	.....tridynamous.....tetradynamous.....adepiphous.....synepiphous	Odor Taste Pericarp Texture	Stamens Number.....Surface, <i>a. b. c.</i>
.....filaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....anomalous	.....Position.....terminal.....lateral.....basilar	Gen. Features.....included.....exserted.....sessile.....connivent	Form.....Number.....Surface, <i>a. b. c.</i> .....Gen. Features
Duration	.....Gen. Features	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position
.....deciduous.....marcescent.....persistent	.....Filament Form.....capillary.....filiform	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position
Color	.....Surface, <i>a. b. c.</i> .....Gen. Features	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position
Surface	.....Surface, <i>a. b. c.</i> .....Gen. Features	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position
.....calyx.....corolla.....ribbed.....nerved.....corolla.....throat	.....Surface, <i>a. b. c.</i> .....Gen. Features	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position
Texture	.....Surface, <i>a. b. c.</i> .....Gen. Features	AGGREGIS.....ACCESSORY.....Multiple	Form.....Number.....Position

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY, DATE, 187

CHECK TABLE.

GENERAL FEATURES

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 perennial

Odor

Juice color
 taste
Gen. Char.

ROOT.

Form conical
 fusiform
 napiform
 rhizose
 solvent
 fibrous
 fasciculate
 aerenal

Gen. Char.

STEM.

texture endogenous
 herbaceous
 suffruticose
 suffruticose
 fruticose
 arborescent
 arboreous

Dir. of Growth

. erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
 twining

Branching

simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

SpecialForms

. suckers
 stolons
 offsets
 runners
 tendrils
 thorns

Gen. Char.

. terete
 striate
 grooved
 angled.
 solid

. hollow
 flexuose
 geniculate
 tumid joint
Surface c
 c
 c

Color

Height spatulate
 oblong
 elliptical
 oval
 round
 ovate
 obovate
 cuneate
 truncate
 retuse
 emarginate
 cordate
 auriculate
 hastate
 pediform
 clasping
 decurrent
 decurrent

Underground

Form tuber
 bulb
LEAVES.
KindS. sessile
 petiole
 stipulate
 exstipulate
 equitant

Arrangemen

On the Stem.
 cauline
 radical
 radical
 alternate,
 scattered
 rosette
 fasciculate
 opposite
 verticillate

Along the Axis.

. alternate,
 scattered
 rosette
 fasciculate
 opposite
 verticillate

Duration

. persistent
 deciduous
Vernation

Texture

. succulent
 coriaceous
 rugose
 serrate
 denate
 crenate
 repand
 striate
 curved
 transverse
 fringed
 ciliate
 serrulate
 lobed
 cleft
 parted
 pectinate
 lyrate
 runcinate
 divided

Venation.

. straight
 curved
 transverse
 fringed
 ciliate
 serrulate
 lobed
 cleft
 parted
 pectinate
 lyrate
 runcinate
 divided

Form.

. pinnate
 3-nerved
 5-nerved
 radiate

SpecialForms

. palmate
 foliate
Simple, Leaflets
Gen. Outline

. filiform
 acicular
 acrose
 subulate
 linear
 lanceolate
 oblanceolate

Gen. Char.

. pubescent
 pilosus
 pubescent
 pilosus
 pubescent

. villous
 silky
 woolly
 velvety
Soft Hairs

. scariosus
 hispid
 spinous
 prickly
Petiole

Form

. terete
 compressed
 leaf-like
Kind

Surface

. marginated
 clasping
 shedding
Surface a, b, c.
Length.

Stipules

. free
 adnate
 clasping
Gen. Character

No. of nodes.

Number.

Direction.

. spinous
 S. L. S.
Duration

Form.

. persistent
 deciduous
 fugacious
BRACTS

Form.

. a, b, c, d.
Gen. Character

Form.

. panicoidous
 panicoidous
 spinous
 petaloidous
 foliate
 spinous
 chafly.

Receptacle

Form

. urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical

Disc.

. hypogynous
 perigynous
 epigynous
Surface

. naked
 smooth
 punctate
 alveolate
 bristly

FLOWER.

Kinds

. tubular
 panicoidous
 thyrus
 spike
 spatix
 catkin
 head
KindS

..... chuffy Texture	..... versatile introse	..... included ensorted	..... Surface, <i>a. b. c.</i>
Calyx. Corolla	Sepals, Petals	Placination	Gen. Character
..... Gamopetalous	..... spreading reflexed	..... Free-central	..... ribbed
..... Gamopetalous	..... sepals petals	..... axillary parietal	..... grooved furrowed
..... rotund	..... Form	Ovules	SEED
..... cup-shaped	..... a. b. c. d.	..... Linæ	..... Number
..... campanulate	..... spurred	..... orthotropous	..... oblong
..... funnel-form	..... petals	..... campylotropous	..... ovate
..... silver-form	..... a. b. c. d.	..... amphitropous	..... ovoid
..... urn-shaped	Activation	..... erect	Attachment
..... lobular	..... operate	..... ascending	..... sessile
..... ligulate	..... induplicate	..... horizontal	..... funiculate
..... lobate	..... imbricate	..... pendulous	Coats
..... galeate	..... contorted	..... Number	..... Surface, <i>a. b. c.</i>
..... ringent	..... convolute	Dehiscence	Appendages
..... personate	..... plicæ	..... septal	..... aril
..... spurred	..... supervol	..... local	..... circumscissile
..... inflated	Stamens	..... circumscissile	..... strophiole
..... saccate	..... Position	..... circumscissile	..... coma
Border	..... alternate	Stigma	Albumen
..... truncate	..... opposite	..... Position	..... Quantity
..... entire	Insertion	..... sessile	..... Texture
..... lobed	..... hypogynous	..... sessile	Color
..... cleft	..... perigynous	..... sessile	Embryo
Pappus	..... epigynous	..... sessile	..... Form
..... peltate	..... Kyma	..... sessile	..... beak
..... scabrous	..... on a disk	..... sessile	..... beak
..... lobed	..... cleft	..... sessile	..... folioid
..... bearded	..... lobed	..... sessile	..... striate
..... scales	..... clefts	..... sessile	..... striate
..... awns	..... Length	..... sessile	..... striate
..... bristles	..... long	..... sessile	..... striate
Proximal us	..... short	..... sessile	..... striate
Polypetalous	..... didynamous	..... sessile	..... striate
..... viscosous	..... tetradynamous	..... sessile	..... striate
..... filicous	..... cohesion	..... sessile	..... striate
..... cruciferous	..... adaphous	..... sessile	..... striate
..... caryophyllaceous	..... on stamens	..... sessile	..... striate
..... paphonaceous	..... on calyx	..... sessile	..... striate
..... annuatus	..... on disk	..... sessile	..... striate
Duration	..... on petals	..... sessile	..... striate
..... deciduous	..... Length	..... sessile	..... striate
..... meriscent	..... long	..... sessile	..... striate
..... persistent	..... short	..... sessile	..... striate
Color	..... long	..... sessile	..... striate
..... calyx	..... short	..... sessile	..... striate
..... corolla	..... long	..... sessile	..... striate
Surface	..... short	..... sessile	..... striate
..... calyx	..... long	..... sessile	..... striate
..... ribbed	..... long	..... sessile	..... striate
..... nerved	..... long	..... sessile	..... striate
..... corolla	..... long	..... sessile	..... striate
..... throat	..... long	..... sessile	..... striate
Texture	..... long	..... sessile	..... striate
..... membranous	..... long	..... sessile	..... striate
..... coriaceous	..... long	..... sessile	..... striate
..... succulent	..... long	..... sessile	..... striate

REMARKS:

ORDER:

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

No.

DATE,

187.

chauffy Texture	Sepals, Petals appressed spreading reflexed sepal petals Form sepal petal a. b. c. d. spurred a. b. c. d. a. b. c. d.	versatile introrse extrorse pendulous form sagittate peltate awned cordate lobed No. of Cells Dehescence lateral Pollen	included exserted Fiactionation free-central axillary artical furrowed SEED Number Form orthotropous campylotropous anatropous ovate ovoid Dir. in Ovary	Color Con. Character ribbed grooved furrowed SEED Number Form oblong obovate ovoid	Surface, a. b. c. d.
Calyx, Corolla Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form salver-form turn-shaped top-shaped tubular ligulate labiate labiate sagitate ringent personate spurred bilobed saccate Border fringed ciliate lobed clawed Pappus cup awns bristles	Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicate superposed	Pollinia Pistil Kinds closed open Cohesion simple multiple Number Stigma Position terminal lateral sessile Form de-coid obovate filiform linear Style Form filiform branched decimate Position terminal lateral basilar Number Surface, a. b. c.	ascending sessile pendulous suspended Number SEED Form potential loculicidal semitrilocular circumscissile Kinds fleshy berry pepo pome Steno diaphe Dry achenium utricle samara follicle legume capsule silique silicle pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Color Quantity Texture Color	
Poyogal us Polypetalous rosaceous filaceous caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface ribbed nerved cordata throat	Stamens gyniac alternate opposite Insertion hypogynous perigynous epigynous sympetalous epiptalous Length long short didymous tetradymous Cohesion adialphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform Surface, a. b. c. d. Anther Attachment imvate adnate	Gen. Features terminal lateral basilar Number Surface, a. b. c. Ovary Adhesion superior half-superior inferior Form Surface, a. b. c. d. Gen. Features	embryo Form straight bent rolled Size Position actio Albumen outside inside Radicla Direction Length Flumule Number Position Cotyledons Form Size Number Texture		
Texture					

REMARKS:

ORDER: SCIENTIFIC,
Name, { COMMON,
LOCALITY,

No.

DATE, 187.

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 perennial

Odor.
Juice
 Color
 Taste
 Gen. Char.

ROOT.
Form conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aereal

Gen. Char.
STEM.
 exogenous
 endogenous
Nature herbaceous
 suffruticose
 subshrubby
 fruticose
 arborescent
 arboreal
Dir. of Growth erect
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
 simple
 simple
 furcate
 excurrent
 racemose
 paniculate
 corimbosose
 diffuse

Special Forms deliquescent
 waxy
 stolonous
 runners
 tendrils
 thorns
Gen. Char. straggling
 straggling
 grooved
 angled
 solid

3 spatulate
 4 oblong
 5 elliptical
 6 oval
 7 round
 8 ovate
 9 obovate
 10 cuculate
 11 reniform
 12 cordate
 13 auriculate
 14 hastate
 15 reniform
 16 cordate
 17 decurrent

Base
 1 acuminate
 2 acute
 3 obtuse
 4 truncate
 5 reflexe
 6 emarginate
 7 cordate
 8 auriculate
 9 sagittate
 10 hastate
 11 reniform
 12 cordate
 13 auriculate
 14 decurrent

Arrangement
 On the Stem
 cauline
 rachis
 branched
 alternate
 scattered
 fasciculate
 opposite
 verticillate

Duration persistent
 deciduous
Vernation
Texture succulent
 coriaceous
 woody
Venation. straight
 curved
 transverse
Netted
 1 pinnate
 2 3-nerved
 3 5-nerved
 4 radiate

Form. palmate
 palmate
 foliolate
Simple, Leathery
Gen. Outline
 1 fliform
 2 acicular
 3 acrosc
 4 subulate
 5 linear
 6 lanceolate
 7 oblanceolate

1 villous
 2 silky
 3 woolly
 4 velvety
Leaf Hairs
 1 scabrous
 2 hispid
 3 ciliate
 4 spinous
 5 prickly

Petiole
Form
 1 torse
 2 grooved
 3 compressed
 4 leaf-like

Kind
 1 winged
 2 sheathing
Surface
a. b. c. d. e.

Stipules
Form
a. b. c. d. e.
Absence
 1 adaxial
 2 abaxial
Gen. Character
 1 membranous
 2 foliaceous
 3 spinous
 4 setaceous
 5 persistent
 6 deciduous
 7 fugacious
BRACTS
Form
a. b. c. d. e.

Surface, a. b. c. d. e.
 1 pedicelous
 2 foliaceous
 3 scarious
 4 spinous
 5 membranous
 6 setaceous
INFLORES.
Gen. Receptacle
Terminal
 1 solitary
 2 cymose
 3 fasciculate
 4 glomerate
 5 verticillate
Axillary
 1 raceme
 2 corymb
 3 umbel
 4 panicle
 5 thyrse
 6 spike
 7 spadix
 8 catkin
 9 head

FLOWER.
Kinds
 1 pubescent
 2 pilose
 3 puberulent
 4 pubescent
 5 pilose
 6 puberulent
 7 pubescent

1 symmetrical
 2 complete
 3 perfect
 4 regular
 5 staminate
 6 pistillate
 7 neutral

Odor
Plan
Stalk
Receptacle
Surface
a. b. c. d. e.
Feet
Length

Height
Surface
a. b. c. d. e.
Involute
Form
 1 sessile
 2 cup-shaped
 3 hemispherical
 4 cylindrical
 5 conical
 6 ovoid

Scalae
No. of ribs
Number
Direction.
 1 appressed
 2 erect
 3 spreading
 4 reflexed

Form
a. b. c. d. e.
Surface, a. b. c. d. e.
 1 pedicelous
 2 foliaceous
 3 scarious
 4 spinous
 5 membranous
 6 setaceous
BRACTS
Form
a. b. c. d. e.

Surface, a. b. c. d. e.
 1 pedicelous
 2 foliaceous
 3 scarious
 4 spinous
 5 membranous
 6 setaceous
INFLORES.
Gen. Receptacle
Terminal
 1 solitary
 2 cymose
 3 fasciculate
 4 glomerate
 5 verticillate
Axillary
 1 raceme
 2 corymb
 3 umbel
 4 panicle
 5 thyrse
 6 spike
 7 spadix
 8 catkin
 9 head

..... chafly Texture	..... pressed spreading reflexed	..... versatile intense extreme pendulous Form sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Calyx. Corolla Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate ringent personate spurred tubical saccate	..... sepals petals Form a. b. c. d. spurred petals a. b. c. d.	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Aestivation even valvate induplicate reduplicate imbricate contorted convolute plicate supervex.	..... closed open simple multiple compound	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Stamens Number Position alternate opposite Inseccion by separate perigynous epigynous gynandrium on a disk epipetalous Length long short didynamous tetradynamous Cohesion antherophorous synantherous	..... closed open simple multiple compound Stigma Position lateral sessile Form didynamous filiform linear Style filiform branched declinate Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. e. Gen. Features	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Border entire truncate lobed cleft parted Pappus cup scales awns bristles Polysepal us Polypetalous rosaceous lilaceous cruciferous Caryophyllaceous papilionaceous anomalous	..... by separate perigynous epigynous gynandrium on a disk epipetalous Length long short didynamous tetradynamous Cohesion antherophorous synantherous	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Duration deciduous marcescent persistent Color calyx Surface corolla ribbed nerved corolla throat	..... included exserted sessile comitant Filament Form capillary filiform Surface, a. b. c. e. Anther Attachment imamate adnate	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Texture	..... imamate adnate	..... sagittate pedate awned cordate lobed No. of Cells Dehiscence lateral Pollen	..... included exerted central axillary arifical improved	..... Color Character ribbed	..... Surface, a. b. c. e.
Remarks:	ORDER:	REMARKS:	ORDER:	REMARKS:	ORDER:
Name, { SCIENTIFIC, } COMMON, LOCALITY,	DATE,	Name, { SCIENTIFIC, } COMMON, LOCALITY,	DATE,	Name, { SCIENTIFIC, } COMMON, LOCALITY,	DATE,

CHECK TABLE.

GENERAL FEATURES.	..... hollow	8	..... spatulate	4	..... villous	..... symmetrical
HABIT.	..... decussate	9	..... ontong	5	..... silky	..... complete
..... terrostrisal	..... geminate	10	..... elliptical	6	..... woolly	..... perfect
..... aquatic	..... limbid joint	11	..... oval	7	..... velvety	..... regular
..... parasitic	Surface	12	..... rotund	8		..... striatulate
..... aerial	..... a, b, c	13	..... ovate	9	Stk Hairs	..... striatulate
Duration	Color	14	..... obovate	1	..... hispid	..... neutral
..... annual	Height	15	..... cuneate	2	..... spatulate	
..... biennial	Underground	16	<i>Base</i>	3	..... spinous	Odor
..... perennial	..... corn	b	..... acuminate	4	..... prickly	Plan
	..... tuber	1	..... acute	5		..... merions
	..... bulb	2	..... obtuse	6	Petiole	Stalk
LEAVES.	Kinds	3	..... obtuse	7	Form	Edicible
..... sessile	..... sessile	4	..... truncate	8	..... grooved	<i>Surface, a, b, c.</i>
..... petiolate	..... stipulate	5	..... cordate	9	..... compressed	Podical
..... exstipulate	..... equitant	6	..... auriculate	7	..... leaf-like	<i>Length, Scapo</i>
	..... alternate, scattered,	7	..... hastate	8	..... margined	<i>Height, Scapo</i>
	..... rosulate	8	..... hastate	9	..... sheathing	Involute
	..... fasciculate	9	..... reniform	10	..... sheathing	Form
Arrangement	On the Stem.	10	..... clasping	11	<i>Surface, a, b, c.</i>	
..... cauline	..... radical	11	..... comate	12	Stipules	..... cup-shaped
..... radical	..... ramal	12	..... decurrent	13	Form	..... hemispherical
Along the Axis.	..... alternate,	13		14	..... adnate	..... cylindrical
..... scattered,	..... opposite,	14	<i>Apex</i>	15	..... free	..... ovoid.
..... fasciculate	..... opposite,	15	..... acute	16	..... clasping	
..... verticillate	..... verticillate	16	..... obtuse	17	..... membranous	Scales
Duration	..... persistent	17	..... truncate	18	..... foliaceous	<i>No. of rows.</i>
..... deciduous	..... deciduous	18	..... emarginate	19	..... spinous	<i>Number.</i>
Vernation	..... persistent	19	..... cuspidate	20	..... foliaceous	Direction.
..... deciduous	..... deciduous	20	..... macronate	21	..... spinous	..... appressed
Texture	..... recalcant	d	<i>Margin</i>	22	..... spinous	..... erect
..... coriaceous	..... coriaceous	1	..... revolute	23	..... spinous	..... spreading
..... pilose	..... pilose	2	..... entire	24	..... spinous	..... reflexed
..... tomentose	..... tomentose	3	..... serrate	25	..... spinous	
..... glabrous	..... glabrous	4	..... dentate	26	..... spinous	<i>Form, a, b, c, d.</i>
Venation.	..... parallel	5	..... crenate	27	..... spinous	Surface, a, b, c.
..... straight	..... straight	6	..... repand	28	..... spinous	<i>Texture</i>
..... curved	..... curved	7	..... sinuate	29	..... spinous	..... petaloidous
..... transverse	..... transverse	8	..... incised	30	..... spinous	..... foliaceous
Noted.	..... pinnate	9	..... ciliate	31	..... spinous	..... spinous
..... 3-nerved	..... 3-nerved	10	..... lobed	32	..... spinous	..... spinous
..... 5-nerved	..... 5-nerved	11	..... cleft	33	..... spinous	..... spinous
..... radiate	..... radiate	12	..... pargid	34	..... spinous	..... spinous
Form.	..... pargid	13	..... pedicellate	35	..... spinous	..... spinous
..... Compound.	..... pedicellate	14	..... lobed	36	..... spinous	..... spinous
..... palmate	..... palmate	15	..... undulate	37	..... spinous	..... spinous
..... foliate	..... foliate	16	..... divided	38	..... spinous	..... spinous
Special Forms	Surface	a	No Hairs	39	..... spinous	..... spinous
..... strobils	..... glabrous	1	..... glabrous	40	..... spinous	..... spinous
..... runners	..... glaucous	2	..... punctate	41	..... spinous	..... spinous
..... tendrils	..... punctate	3	..... verrucose	42	..... spinous	..... spinous
..... thorns	..... verrucose	4	..... pubescent	43	..... spinous	..... spinous
Gen. Char.	..... pubescent	5	Soft Hairs	44	..... spinous	..... spinous
..... terete	..... pubescent	1	..... capitate	45	..... spinous	..... spinous
..... striate	..... pubescent	2	..... head	46	..... spinous	..... spinous
..... grooved	..... pubescent	3	..... pilosus	47	..... spinous	..... spinous
..... angled,	..... pubescent	4	..... pubescent	48	..... spinous	..... spinous
..... solid	..... pubescent	5	..... pubescent	49	..... spinous	..... spinous
	..... pubescent	6	..... pubescent	50	..... spinous	..... spinous
	..... pubescent	7	..... pubescent	51	..... spinous	..... spinous

chaffy Texture	Sepals, Petals appressed spreading retic-ved	versatile introrse extrorse	included exserted	Surface, a, b, c, ..
Calyx, Corolla G. monocarpous Gamopetalous	Form saucer-shaped cup-shaped campanulate funnel-form salver-form top-shaped tubular	Form sagittate petalate twined cordate	Flaccidation free-central parietal	Color Character ribbed furrowed
lobulate lobate ringent perispermate spurred lobed Saccate	No. of Cells Delicence lateral	oblong ovate ovoid	SEED Number	
Border Number entire lobed parted	Pollen Pollenia Pistil Kinds Oblongation plicate supervacua	ascending horizontal suspended	Attachment sessile funiculate	
Pappus cup scales awns bristles	Stamens Number Position Insertion hypanthium epigynous gyranthium on a disk epipetalous Length long short didynamous tetradynamous Cohesion adelphous syngonesis	oblong triangular septifid septifid circumscissile Berry pepo pome Steno drupe Dry acheneum utric samara follicle legume capsule silique siliole pyxis	Coats Surface, a, b, c, .. Color Texture	
Polysepal us Polypetalous rosaceous Iliaecous cruciferous curculionellous papilionaceous anomalous	Gen. Features included exserted sessile comitant Filament Form capillary filiform Surface, a, b, c, .. Anther Attachment innate adnate	Stigma Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form braehmian declinate Position terminal lateral basilar Number Surface, a, b, c, .. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a, b, c, .. Gen. Features	Albumen quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Flumule Number Position Corymbous Form Size Number Texture	

REMARKS:

ORDER:

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

No.

CHECK TABLE.

GENERAL FEATURES.	1 hollow	8 spatulate	4 villous	..... symmetrical
..... flexuose	9 onlong	9 onlong	5 silky	..... complete
..... goniate	10 elliptical	10 elliptical	6 wooly	..... perfect
..... terminal joint	11 oval	11 oval	7 velvety	..... regular
Surface.	12 round	12 round	8 stiff hairs	..... stipulate
..... a. b. c.	13 obovate	13 obovate	1 scarpous	..... beaklike
Color.	14 obovate	14 obovate	2 hispid	..... central
Height.	15 cucumate	15 cucumate	3 spinous	.....
Underground	b Base	16 acuminata	4 prickly	Odor
..... coria	1 acute	1 acute	5 Tom	..... microns
..... tuber	2 obtuse	2 obtuse	6 terete	Stalk
..... bulb	3 truncate	3 truncate	7 grooved	..... pédoncle
LEAVES.	4 retuse	4 retuse	8 compressed	Length.
..... sessile	5 emarginate	5 emarginate	9 leaf-like	..... Pedicel
..... petiolate	6 cordate	6 cordate	10	Height.
..... stipulate	7 auriculate	7 auriculate	11 margined	.....
..... equitant	8 sagittate	8 sagittate	12 clasping	Involute
.....	9 hastate	9 hastate	13 sheathing	..... form
Arrangement	10 pectate	10 pectate	14 uniform	..... cup-shaped
On the Stem.	11 clasping	11 clasping	15 retuse	..... hemispherical
..... cauline	12 connate	12 connate	16 decurrent	..... bell-shaped
..... radical	13 decurrent	13 decurrent	17	..... cylindrical
Along the Axis.	c Apex	14 acuminata	18	..... conical
..... alternate,	1 acute	1 acute	19	..... void
..... scattered	2 obtuse	2 obtuse	Gen. Character	Scales
..... fasciculate	3 truncata	3 truncata	..... membranous	..... No. of ribs.
..... opposite	4 truncata	4 truncata	..... foliaceous	Number.
..... ven. ciliate	5 retuse	5 retuse	..... spinous	Direction.
Duration	6 emarginate	6 emarginate	..... setaceous	..... appressed
..... persistent	7 cuspidate	7 cuspidate	..... persistent	..... erect
..... deciduous	8 aristate	8 aristate	..... deciduous	..... spreading
Vernation	d Margin	9	..... ligustrinus	..... flattened
..... subcordate	1 entire	1 entire	BRACTES	Form.
..... orbiculus	2 serrate	2 serrate	..... a. b. c. d. e.	Surface.
..... longiss.	3 dentate	3 dentate	..... petaloidous	.....
..... ov.	4 crenate	4 crenate	..... foliaceous	.....
Venation.	5 repand	5 repand	..... petaloidous	.....
..... straight	6 sinuate	6 sinuate	..... membranous	.....
..... curved	7 fringed	7 fringed	..... spinous	Length.
..... transverse	8 ciliate	8 ciliate	INFLORESCENCE	Receptacle
Noted.	9 lobed	9 lobed	..... Terminal	..... Form
..... pinnate	10 cleft	10 cleft	..... solitary	..... urn-shaped
..... 3-nerved	11 parted	11 parted	..... cyclic	..... concave
..... 5-nerved	12 perfoliate	12 perfoliate	..... fasciculate	..... flat
..... radiate	13 lyrate	13 lyrate	..... glomerule	..... cylindrical
Form.	14 trifurcate	14 trifurcate	..... verticillaster	..... conical
..... Compound.	15 divided	15 divided	Axillary	..... corymb
..... pinnate	a No hairs	16	..... raceme	..... hemispherical
..... palmate	1 glabrous	1 glabrous	..... umbel	Disk.
..... foliate	2 glaucous	2 glaucous	..... punctate	..... hypogynous
Simple, Leaves	3 punctate	3 punctate	..... byrrhis	..... perigynous
Gen., Outline	4 verrucose	4 verrucose	..... spine	..... epigynous
..... fliform	5	5	..... spatul	..... marked
..... acicular	Soft Hairs	1 puberulent	..... catkin	..... smooth
..... acrose	1 pubescent	1 pubescent	..... head	..... punctate
..... subulate	2 pilosus	2 pilosus	..... lobes	..... alveolate
..... linear	3 pubescent	3 pubescent	FLOWER.	..... bristly
..... lanceolate			Kinds	
..... oblanccolate				

chafly Texture	Sepals, Petals appressed spreading reflexed	versatile introrse extrorse pendulous	included ex-erct	Surface, a. b. c.
Calyx. Corolla & antherophalous camorphalous	sepal, petals reflexed	sepalate petalate	Flabomation free-central	Color Character ribbed grooved furrowed
saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped	sepal, petals Form	sepalate petalate valvate adaxial	SEED Number	
lobulate bilabiate gibbete ringent peronate spurred inflated saccate	a. b. c. d. e. d. e. d. e. d.	adaxial adaxial No. of Cells Dehiscence lateral	Form oblong ovate ovoid	
Aestivation open	petals Form	lateral Folion	Attachment sessile funiculate	
lobulate bilabiate gibbete ringent peronate spurred inflated saccate	valvate induplicate reduplicate imblicate contorted convolute plicae supervi.	Follina Pistil Kinds closed open simple multiple compound	Coats Surface, a. b. c.	
Stamens Number	perigonous epigynous syndrom on a disk	Number Position terminal lateral sessile	Appendages sepaloidal folioid scapular gynous sili	
lobed cleft parted	opposite	Number Position terminal lateral sessile	Albumen quantity Texture Color	
Papys cup scales awns bristles	perigonous epigynous syndrom on a disk	Number Position terminal lateral sessile	Embryo Form straight bent rolled	
Polypetalous rosaceous filicous cruciferous caryophyllaceous papilionaceous anomalous	Length long short didynamous tetradynamous	Form disoid obovate label filiform linear	Position as to Albumen outside inside	
deciduous marcescent persistent	Cohesion adcliphous syngeneous	Form disoid obovate label filiform linear	Direction Length Number Position	
Color	Gen. Features infracted sessile convivent	Position terminal lateral basilar	Completion Form	
calyx corolla	Filament Form	Number Ovary Adhesion superior half-superior inferior	Texture Number Texture	
calyx ribbed nerved corolla throat	capillary filiform	Number Ovary Adhesion superior half-superior inferior	Form oblong ovate ovoid	
Texture	Surface, a. b. c. Anther Attachment innate adnate	Number Ovary Adhesion superior half-superior inferior	Coats Surface, a. b. c.	

REMARKS:

ORDER: No.

Name, } SCIENTIFIC,

LOCALITY, } COMMON,

DATE, 187

CHECK TABLET.

GENERAL FEATURES.	1 hollow	8 spatulate	4 villous	1 symmetrical
Habit.	2 flexuose	9 oblong	5 silky	2 complete
.....terrestrial	3 glandulate	10 elliptical	6 woolly	1 perfect
.....aquatic	4 terminal joint	11 oval	7 velvety	14 obovate
.....terrestrial	5 d. c.	12 round	8 Stipule Hairs	.....stipulate
.....aquatic	6 d. c.	13 ovate	9 scabrous	.....spinulate
.....aerial	7 d. c.	14 obovate	10 hispid	.....stellate
Duration	8 Height	15 cuneate	1 spinous	.....neutral
.....annual	9 Underground	16 Base	2 prickly	
.....biennial	10 tuber	17 acuminate		
.....perennial	11 bulb	18 acute		
Odor	12 bulb	19 obtuse		
Juice	13 sessile	20 truncate		
.....color	14 sessile	21 repand		
.....taste	15 stipulate	22 compound		
Gen. Char.	16 sessile	23 cordate		
ROOT.	17 sessile	24 auriculate		
Form	18 equitant	25 sagittate		
.....conical	19 Arrangement	26 hastate		
.....fusiform	20 On the Stem.	27 petiole		
.....napiform	21 cauline	28 clasping		
.....ramose	22 radical	29 connate		
.....fibrous	23 rhachial	30 decurrent		
.....fibrous	24 Along the Axis.			
.....fasciculate	1 alternate			
.....aerial	2 scattered			
Gen. Char.	3 fasciculate			
STEM.	4 opposite			
.....exogenous	5 verticillate			
.....endogenous	6 persistent			
Nature	7 deciduous			
.....herbaceous	8 Vernation			
.....suffruticose	9 succulent			
.....suffruticose	10 succulent			
.....fruticose	11 coriaceous			
.....arborescent	12 rugose			
Dir. of Growth	13 s. o. s.			
.....arborescent	14 Venation.			
.....erect	15 reticulate			
.....ascending	16 light			
.....decumbent	17 curved			
.....diffuse	18 transverse			
.....prostrate	19 Noted.			
.....creeping	1 pinnate			
.....climbing	2 3-nerved			
.....twining	3 5-nerved			
Branching	4 pedicel			
.....simple	5 pedicel			
.....simple	6 pedicel			
.....farcate	7 pedicel			
.....erect	8 pedicel			
.....erect	9 pedicel			
.....decumbent	10 pedicel			
.....diffuse	11 pedicel			
.....prostrate	12 pedicel			
.....climbing	13 pedicel			
.....twining	14 pedicel			
Form	15 pedicel			
.....simple	16 pedicel			
.....simple	17 pedicel			
.....farcate	18 pedicel			
.....erect	19 pedicel			
.....erect	20 pedicel			
.....decumbent	21 pedicel			
.....diffuse	22 pedicel			
.....prostrate	23 pedicel			
.....climbing	24 pedicel			
.....twining	25 pedicel			
Special Forms	26 pedicel			
.....suckers	27 pedicel			
.....suckers	28 pedicel			
.....offsets	29 pedicel			
.....runners	30 pedicel			
.....tendrils	31 pedicel			
.....thorns	32 pedicel			
Gen. Char.	33 pedicel			
.....terete	34 pedicel			
.....terete	35 pedicel			
.....grooved	36 pedicel			
.....angled	37 pedicel			
.....solid	38 pedicel			
	39 pedicel			
	40 pedicel			
	41 pedicel			
	42 pedicel			
	43 pedicel			
	44 pedicel			
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	99 pedicel			
	100 pedicel			

..... chafly Texture sessile Sapals, Petals versatile introrse included conserted Surface, <i>a. b. c.</i>
Calyx. Corolla	..... appressed spreadng	..... pendulous Form	Placentation	Con. Character
Gamopetalous	..... sepals petals	..... sagittate pedate	..... free-central axillary	..... ribbed furrowed
Gamopetalous	..... saucer-shaped cup-shaped	..... cordate lobed	Ovules	SEED
..... campanulate funnel-form	..... a. b. c. d. spurred	No. of Cells,	..... Kind	Number
..... silver-form urn-shaped	..... petals	Delusiveness	..... orthotropous anorthotropous	..... oblong ovate
..... top-shaped tubular	..... a. b. c. d.	Fellen	..... amphitropous erect	..... ovoid
..... ligulate gibbate	Aestivation	Follinis	Dir. in Ovary	Attachment
..... ringent	..... open		..... ascending horizontal	..... sessile funiculate
..... personate spurred	..... involute reduplicate	Pistil	..... pendulous suspended	Coats
..... inflated saccate	..... contorted convolute	Kinds	..... Number	..... Surface, <i>a. b. c.</i>
..... saccate	..... plicate supercav. l.	..... closed open	Dehiscence	..... Color
Border	Stamens	..... simple multiple	..... seffidial locifidial	Texture
..... truncate entire	Number	..... compound	..... circumscissile	Appendages
..... lobed	..... position	Stigma		..... articule
..... cleft	..... alternate	Fecundation		..... trophole
..... parted	..... opposite	..... terminal lateral	Kinds	..... vining
Pappus	Incoron	..... sessile	..... fleshy	..... coma
..... velvety	..... heterogynous	Form	..... berry	Albumen
..... scales	..... apicigynous	..... discoid globbose	..... pepo	..... quantity
..... arthy	..... gynandrous	..... lobed	..... pome	Texture
..... bristles	..... on a disk	..... filiform linear	Stone	Color
Polysepal us	..... Length		..... drupe	Embryo
Polypetalous	..... long		..... Dry	..... Form
..... rosaceous	..... short	Style	..... atricle	..... straight
..... biaccous	..... didymous	Form	..... samara	..... beak
..... cruciferous	..... tetradynamous	..... filiform	..... follicle	..... rolled
..... curvophyllaceous	Cohesion	..... branched decimate	..... legume	Size
..... papilionaceous	..... adclphous		..... capsule	Position as to Albumen
..... anomalous	..... synergonesous	Position	..... silicle	..... outside inside
Duration	..... included	..... terminal lateral	..... pyxis	Radicie
..... deciduous	..... asserted	Number	Aggregate	Direction
..... persistent	..... sessile	Surface, a. b. c.	..... Accessory	Length.
Color	..... connivent	Ovary	..... Multiple	Flumale
..... calyx	Filament	Adhesion		Number
..... corolla	..... filament	..... superior inferior	No. of Cells	Position
..... calyx	..... capillary filiform	..... interior	Odor	Corymbons
..... ribbed	..... filiform	No. of Cells	Taste	Forme
..... nerved		Form	Pericarp	
..... corolla	Surface, a. b. c.		..... Texture	
..... throat	Attachment	Surface, a. b. c.	..... membranous coriaceous	Size
Texture	..... immitate	Gen. Features	..... succulent	Number
	..... adnate			Texture

REMARKS :

ORDER :

Name, } SCIENTIFIC,

} COMMON,

LOCALITY,

DATE,

187

No.

chafly Texture	Sepals, Petals spreading reflexed	versatile introrse extrorse pendulous form	included centred axillary perianth	Surface, a. b. c.
Calyx-Corolla gamopetalous rotate	sepal petals Form a. b. c. d. e. f. spurred petals a. b. c. d.	scutellate pedate awake capitate indurate	Kind orthotropous campitropous oblique axile amphitropous ovoid	SEED Number
saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular	Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicata supercoiled	No. of Cells Delaisence lateral Folion Follina	Attachment ascending horizontal pendulous suspensoid	Coats Surface, a. b. c.
ligulate lobate ciliate ringent perianate spurred indented succate	Stamens Number Position affirmate opposite Insertion hypogynous perigynous epigynous gynandrium on a disk epipetalous	Pistil Kind open closed Cohesion simple multiplex compound	FRUIT Dehiscence separatal separatal circumsciss	Appendages aril cartucule strophole coma
Border truncate entire lobed cleft parted Pappus cup scles awns bristles	Stigma Position terminal lateral sessile Form di-steroid di-schise lobed filiform linear	Number Number Position terminal lateral sessile	Kinds Flechy berry pepo pome Stone drupe	Albumen quantity Texture Color
Po/sepals us Polytelous rosaceous hirtaceous arctostemon curcophyllaceous papi/tonaceous anomalous	Length long short didynamous tetradynamous Cohesion adcliphous SANGUINOSUS	Stigma Position terminal lateral basilar Number Surface, a. b. c.	Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length	Plumule Number Position Coplexions Form
deciduous marcescent persistent Color calyx - corolla Surface calyx ribbed nerved corolla throat	Gen. Features included asserted sessile Filament Form capillary filiform nerved Surface, a. b. c. d. e.	No. of Cells Form Surface, a. b. c. d. e.	Aggregete Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous cartilagenous succulent	Texture Number Texture

REMARKS:

ORDER:

SCIENTIFIC,

COMMON,

No.

LOCALITY,

DATE,

187.

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aroid

Duration annual
 biennial
 perennial

Odor

Juice
 Color
 Taste
 Gen. Char.

ROOT.

Form
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aereal

Gen. Char.

STEM.

Endogenon
 Engorgenon

Nature herbaceous
 suffruticose
 subfruticose
 fruticose
 arborescent
 arborescous

Dir. of Growth

. erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining

Branching

. simple
 simple
 recurrent
 racemose
 paniculate
 corymbose
 diffuse

Special Forms

. suckers
 stolons
 offsets
 runners
 tendrils

Gen. Char.

. thorns
 terete
 striate
 grooved
 angled,
 solid

. hollow
 flexuose
 geniculate
 elliptical
 oval
 round
 ovate
 obovate
 cuculate

Surface

a. b. c.

Color

Height

Underground

. bulb
 tuber
 sessile
 p. petiole

Kinds

. stipulate
 exstipulate
 equitant

Arrangemen

On the Stem.

. radiale
 radial
 ramant

Along the Axis.

. alternate,
 scattered,
 rosulate,
 fasciculate
 opposite,
 verticillate

Duration

. persistent
 deciduous

Vernation

. axillary,
 terminal

Texture

. succulent
 coriaceous
 rigidose
 S. obtus

Venation.

. straight
 curved
 transverse

Netted.

. pinnate
 3-nerved
 5-nerved
 radiate

Form.

. palmate
 foliate

Simple, Leaflets

a. Gen. Outline

. filiform
 acicular
 acerose
 subulate
 linear
 lanceolate
 oblanceolate

. villous
 silky
 woolly
 velvety
 stipitate
 mucous

Stiff Hairs

. sericeous
 hispid
 spinous
 cadate

Odor

. mucous
 fetid

Plan

. microus

Stalk

. peduncle
 Length.
 Surface. a. b. c.
 Length.
 Petiole

Kind

. margined
 clasping
 sheathing
 Surface. a. b. c.

Stipules

. Form
 a. b. c. d.

Adhesion

. free
 clasping
 adnate

Gen. Character

. membranous
 foliaceous
 spinous
 setaceous

Duration

. persistent
 deciduous

BRACTS

a. b. c. d.
 Surface. a. b. c.
 Gen. Character
 foliaceous
 membranous
 spinous
 ligulate

Scalcs

. No. of ribs
 Number.
 Direction.
 appressed
 erect
 spreading
 reflexed

. Form. a. b. c. d.
 Surface. a. b. c.
 Textate

. petaloidous
 foliaceous
 scarious
 spinous
 rigid
 leafy.

INFLORESCENCE

Receptacle

. Terminal
 solitary
 cyme
 fascicle
 glomerule
 Verticillaster

Auxiliary

. raceme
 corymb
 umbel
 panicle
 thyrsus
 spike
 spatix
 catkin
 head

FLOWER.

. Kinds

.....chaffy Texture	.....versatile introrse extrose pendulous Form.....saccitate.....pelvate.....corolate <i>trilobed</i> No. of Cells <i>Dehiscence</i>.....lateral Pollen Fellinia	.....includied.....exserted.....free-central.....axillary.....parietal	.....Surface, a, b, c
Calyx. Corolla <i>Gamopetalous</i>.....rotulate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....silver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....gibbate.....ringent.....personate.....spurred.....inflated.....saccate	Aestivation.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supervena	Ovules.....Kind.....orthotropous.....campylotropous.....anatropous.....amphitropous Dir. in Ovary.....erect.....ascending.....horizontal.....pendulous.....suspended Number	SEED Number.....oblong.....ovate.....ovoid Attachment.....sessile.....funiculate Coats Surface, a, b, c Color Texture
Border.....truncate.....entire.....lobed.....cleft.....parted Papery.....cup.....scales.....wools.....bristles	Stamens Number.....Position.....opposite.....Insertion.....hypogynous.....perigynous.....epigynous.....gynandrium.....on a disk.....epitactous Length.....long.....short.....didynamous.....tetradynamous Coesion.....adelphous.....syngenesious Gen. Features.....included.....exserted.....sessile.....connivent Filament Form.....capillary.....filiform Surface, a, b, c, d, e.....Anther Attachment.....innate.....adnate	Dehiscence.....scissile.....folioid.....septifragal.....circumscissile Kinds.....Berry.....Pepo.....Pome Stone.....Drupe Dry.....acheneum.....utricle.....samara.....foliicle.....legume.....capsule.....silique.....siliicle.....pyxis Aggregate Accessory Multiple No. of Cells	Appendages.....anther.....wing.....coma Albumen quantity Texture Color Embryo Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Radicle Direction Length Plumule Number Position Cotyledons Form Size Number Texture
Polypetalous.....rosaceous.....lilaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....anomalous Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Sarceae.....calyx.....ribbed.....nerved.....corolla.....throat	Pistil Kinds.....closed.....open Coesion.....simple.....multiple Number.....compound Stigma Number.....Position.....terminal.....lateral.....sessile Form.....discoid.....elobese.....lobed.....filiform.....linear Style Form.....filiform.....branchin.....declinate Position.....terminal.....lateral.....basilar Number Surface, a, b, c Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form Surface, a, b, c Gen. Features	Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	
Texture			

REMARKS:

ORDER: No.

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

CHECK TABLET.

GENERAL FEATURES	8 hollow	9 spatulate	4 villous	..... symmetrical
Habit:	10 fleshy	11 oblong	5 silky	..... complete
..... torreserial	12 granulate	10 elliptical	6 woolly	..... perfect
..... aquatic	13 humid joint	11 oval	7 velvety	..... regular
..... aerial	14 ac	12 round	8 Sift hairs	..... pistillate
..... perianth	15 sessile	13 obovate	9 sessile	..... neutral
Duration	Height	14 obovate	..... 10.....	
..... annual	Underground	15 bicarinate	..... 11.....	
..... biennial	..... rhizomat	b <i>Base</i>	1 spinulose	Odor
..... perennial	..... com	1 acuminata	2 terete	..... merous
Odor	..... tuber	2 acute	3 mucosa	Plan
Juice	..... bulb	3 obtus-c	4 toment	Stalk
Color	..... sessile	4 truncate	5 com	..... rounded
Gen. Char.	..... sessile	5 base	6 revase	..... Length
ROOT.	..... stipulate	6 emarginate	7 cordate	<i>Sagittae</i> a b c
Form	..... exstipulate	7 auriculate	8 auriculate	<i>Length</i> Scope
..... conical	..... equitant	8 sagittate	9 hastate	<i>Surface</i> a b c
..... fusiform	Arrangemen	9 petiote	10 hastate	Involute
..... napiform	<i>On the Stem.</i>	10 hastate	11 reniform	..... rosaceous
..... ramose	..... radicle	11 reniform	12 clasping	..... hemispherical
..... fibrous	..... radical	12 comate	13 comate	..... beak-shaped
..... fasciculate	..... rhizomat	13 deccurvent	14 deccurvent	..... cylindrical
..... aerial	Along the Axis.	14 deccurvent	15 deccurvent	..... conical
Gen. Char.	..... alternate	15 deccurvent	c <i>Apex</i>	..... cordate
STEM.	..... scattered	16 deccurvent	1 acuminata	
..... exogenous	..... rosulate	16 deccurvent	2 acute	
..... endogenous	..... fasciculate	17 deccurvent	3 obtuse	
Nature	..... verticillate	18 deccurvent	4 truncate	
..... herbaceous	Duration	19 deccurvent	5 retuse	
..... suffruticose at	..... persistent	20 deciduous	6 emarginate	
..... suffruticose	..... deciduous	21 deciduous	7 orbiculate	
..... fruticose	Vernation	22 orbiculate	8 auriculate	
..... arborescent	Texture	23 orbiculate	9 aristate	
..... diffract	..... succulent	24 orbiculate	Length	
..... as strag. at	..... corticaceous	25 orbiculate	1 entire	
..... decumbent	..... rugose	26 orbiculate	2 serrate	
..... prostrate	Venation.	27 orbiculate	3 dentate	
..... creeping	..... parallel	28 orbiculate	4 serrate	
..... climbing	..... straight	29 orbiculate	5 repand	
Branching	..... curved	30 orbiculate	6 sinuato	
..... Avining	..... transverse	31 orbiculate	7 sinuato	
..... Simple	Noted.	32 orbiculate	8 fimbri	
..... furcate	..... pinnate	33 orbiculate	9 fimbri	
..... excurrent	..... 3-nerved	34 orbiculate	10 ciliato	
..... reticulate	..... 5-nerved	35 orbiculate	11 lobed	
..... paniculate	..... radiate	36 orbiculate	12 ciliato	
..... corymbose	Form.	37 orbiculate	13 palmate	
..... diffuse	..... Compacted.	38 orbiculate	14 palmate	
SpecialForms	..... palmate	39 orbiculate	15 foliate	
..... suckers	..... foliate	40 orbiculate	Simple, Leaves	
..... stolons	a <i>Gen. Outline</i>	41 orbiculate	1 glabrous	
..... offsets	..... filiform	42 orbiculate	2 glandous	
..... runners	..... acicular	43 orbiculate	3 punctate	
..... thorns	..... acerose	44 orbiculate	4 verrucose	
Gen. Char.	..... subulate	45 orbiculate	5 pilos	
..... terete	..... linear	46 orbiculate	Soft Hair	
..... striate	..... lanceolate	47 orbiculate	1 puberulent	
..... grooved	..... lanceolate	48 orbiculate	2 pilos	
..... angled.	..... oblanceolate	49 orbiculate	3 pubescent	
..... solid		50 orbiculate		

..... hemispherical		..... terminal		
..... conical		..... solitary		
..... cylindrical		..... gemmate		
..... elongated		..... verticillate		
..... com. c. x		Auxiliary		
..... hemispherical		..... rufescent		
Dist.		..... corymb		
..... typogynous		..... umbel		
..... perigynous		..... panicl		
..... epigynous		..... thyrsus		
Surface		..... spike		
..... naked		..... spat. x		
..... smooth		..... ciliat		
..... punctate		..... head		
..... alveolate		FLOWER.		
..... bristly		Kinds		

chaffy Texture	versatile introrse extrorse pendulous Form sagittate twined coriolate <i>halford</i> No. of Cells Dehiscence lateral Fellen	included excised	Surface, a, b, c.
Calyx-Corolla campanulatus rotate	sepalis, petals spreading reflexed Form sepalis petals a, b, c, d. spurred petals a, b, c, d.	Placentation triventral axillary pericarpial	Gen. Character ribbed grooved furrowed
Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicata supervo, 1	Pollinia Kinds closed open simple multiple compound	Ovules Kind orthotropous campylotropous anatropous amphitropous	SEED Number oblong ovate ovoid
Stamens Number Position alternate opposite Insertion hypogynous perigynous epigynous gyrate on a disk epipetalous	Stigma Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branching declinate Position terminal lateral basilar	FRUIT Dehiscence septicidal to apical circumscissile	Appendages Aerial caruncle strophiole wing coma
Border truncate entire lobed cleft parted Pappus cap setae aristis bristles	Stamens Number Position alternate opposite Insertion hypogynous perigynous epigynous gyrate on a disk epipetalous Length long short didynamous tridynamous Cohesion adiphus synepalous	Kinds Fleshy berry pepo pome	Albumen quantity Texture Color
Polysperal vs Polyzoalous fosaccous filiceous erucitrous curryphyllaecous papilionaceous anomalous	Gen. Features included excised sessile connivent Filament Form capillary filiform Surface, a, b, 2. Anther Attachment innate adnate	Embryo Form straight bent rolled	Direction Length Pinnate Number Position Cotyledons Form Size Number Texture
Color calyx corolla calyx ribbed nerved corolla throat	Gen. Features included excised sessile connivent Filament Form capillary filiform Surface, a, b, 2. Anther Attachment innate adnate	Aggregato Accessory Multiple No. of Cells No. of Folts Odor Taste Pericarp Texture membranous coriaceous succulent	
Texture			

REMARKS:

ORDER: _____ No. _____

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY, _____

DATE, _____

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration
 annual
 biennial
 perennial

Odor

Color
 Taste.
 Gen. Char.

ROOT.

Form
 conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 acral

Gen. Char.

STEM.
 exogenous
 endogenous

Nature

. herbaceous
 suffruticose
 suffruticose
 fruticose
 arborescent

Dir. of Growth
 erect
 ascending
 diff. c.

Venation
 prostrate
 creeping
 climbing
 twining

Branching
 simple
 terete
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Special Forms
 reticulatescent
 suckers
 stolons
 offsets
 runners
 tendrils
 thorns

Gen. Char.
 terete
 striate
 grooved
 angled
 solid

. flowose
 geniculate
 tumid joint
 oval
 round
 corate
 obovate
 cuculate

Surface

. a. b. c
Color
Height
Underground
 rhizomat

. corn
 tuber
 bulb
LEAVES.

Kinds
 sessile
 petiolate
 stipulate
 cordate
 exstipulate
 equitant

Arrangement
On the Stem.
 cauline
 radical
 ramant

Along the Axis.
 alternate
 scattered
 fasciculate
 opposite
 verticillate

Duration

. deciduous
 persistent
Vernation

Texture
 succulent
 cartilag.
 rugos.
 toment.

Venation.
 straight
 curved
 transverse

Netted.
 pinnate
 3-nerved
 5-nerved
 radiate

Form.
 Compound.
 pinnate
 palmate
 foliate

Simple, Leaflets
Gen. Outline
 filiform
 acicular
 acerose
 subulate
 linear
 lanceolate
 oblanceolate

4 villous
 5 silky
 6 woolly
 7 velvety
 8 scabrous
 9 hispid
 10 spinous
 11 prickly

Stiff Hairs

1 scabrous
 2 hispid
 3 spinous
 4 prickly

Petiole

Form
 grooved
 terete
 compressed
 leaf-like

Kind

. margined
 clasping
 sheathing
 sheathing

Surface a. b. c
Stipules
Form
 a. b. c. d.

Adhesion
 free
 clasping
 adnate
 membranous
 foliaceous
 spinous
 sclerous
 persistent
 deciduous

BRACHYS
Form
 a. b. c. d.
Surface. a. b. c

. tomentous
 petalaceous
 membranous
 spinous
 scabrous

Terminal
 solitary
 cyme
 corymb

Axillary
 raceme
 corymb
 umbel
 panicle
 thyrsus
 spike
 spathe
 catkin
 head

FLOWER.
Kinds
 pubescent
 pilosus
 puberulent
 pubescent

. symmetrical
 complete
 perfect
 regular
 stimulate
 pistillate
 asexual

Odor

Plan
 microns
Stalk
Secunde

Length. a. b. c.
Surface. a. b. c.

Length.
Shape
Surface. a. b. c.

Involute
Form
 rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid.

Scales
No. of lobes.
Number.
Direction.
 appressed
 erect
 spreading
 reflexed

Form a. b. c. d.
Surface. a. b. c.

Vegetate
 petaloidous
 foliaceous
 scabrous
 spinous
 toment.

Receptaculo
Form
 urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical

hemispherical
Disk.
 hypogynous
 perigynous
 epigynous

Surface
 naked
 smooth
 punctate
 alveolate
 bristly

chaffy Texture		versatile infrorse exorse penultimus Form segitate peltate awned cordate <i>inbald</i> No. of Cells, Dehiscence lateral	included exserted free-central axillary parietal	Color Con. Character grooved furrowed
Calyx-Corolla Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate galeate sinuate perianth spurred infracted saccate	Sepals, Petals appressed spreading reflexed sepal petals Form sepal sepal a. b. c. d. spurred petals a. b. c. d.	Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicate superovoid	Ovules Kind orthotropous campylotropous anatropous amphitropous Dir. in Ovary ascend horizontal pendulous suspended	SEED Number Form oblong ovate ovoid
Stamens Number Foliation Insertion perigonous awn bristles Polysepal us Polypetalous rosaceous filaceous cruciferous curvophyllaceous papilionaceous anomalous	Stamens Number Foliation Insertion perigonous awn bristles Polysepal us Polypetalous rosaceous filaceous cruciferous curvophyllaceous papilionaceous anomalous	Pistil Kinds closed open Cobesion simple multiple compound Number Stigma	Number Stigma Fruit spherical loculicidal spherical circumscissile	Coats Surface, a. b. c. e. Funiculate
Botter truncate entire lobed parted Pappus cup scaly awn bristles Polysepal us Polypetalous rosaceous filaceous cruciferous curvophyllaceous papilionaceous anomalous	Stamens Number Foliation Insertion perigonous awn bristles Polysepal us Polypetalous rosaceous filaceous cruciferous curvophyllaceous papilionaceous anomalous	Stamens Number Foliation Insertion perigonous awn bristles Polysepal us Polypetalous rosaceous filaceous cruciferous curvophyllaceous papilionaceous anomalous	Number Stigma Fruit spherical loculicidal spherical circumscissile	Coats Surface, a. b. c. e. Funiculate
Surface Color calyx corolla ribbed nerved corolla throat	Surface Color calyx corolla ribbed nerved corolla throat	Surface Color calyx corolla ribbed nerved corolla throat	Number Stigma Fruit spherical loculicidal spherical circumscissile	Coats Surface, a. b. c. e. Funiculate
Texture	Texture	Texture	Number Stigma Fruit spherical loculicidal spherical circumscissile	Coats Surface, a. b. c. e. Funiculate

REMARKS:

ORDER:

Name, } SCIENTIFIC,

} COMMON,

LOCALITY,

No.

187

DATE,

CHECK TABLET.

GENERAL FEATURES.

Habit.....terrestrial
 aquatic
 parasitic
 aerial
 Duration.....annual
 biennial
 perennial

Odor

Juice.....Color.....
 Taste.....
 Gen. Char.....
ROOT.

Form

conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 acaeral

Gen. Char.

STEM.
 exogenous
 endogenous

nature

herbaceous
 suffruticose
 fruticose
 arborescent
 arbores

Dir. of Growth

erect
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
 simple

Branching

furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse
 deliquescent

SpecialForms

suckers
 stolons
 runners
 tendrils
 thorns

Gen. Char.

terete
 striate
 grooved
 angled.
 solid

hollow
 flexuose
 geniculate
 tumid joint
Surface
 a.....b.....c

Color

Height.....
Underground
 rhizoma
 tuber
 cornu
 bulb

LEAVES.

Kinds
 sessile
 petiolate
 stipulate
 exstipulate
 equitant

Arrangement

On the Stem.....
 cauline
 radical
 ramal
 Along the Axis—
 alternate,
 scattered,
 rosulate,
 fasciculate
 opposite
 verticillate

Duration

persistent
 deciduous

Vernation

Texture
 succulent
 coriaceous
 rugose
 scabrous

Venation.

straight
 parallel.
 curved
 transverse
Netted.
 pinnate
 3-nerved
 5-nerved
 radiate

Form.

Compound.
 pinnate
 palmate
 foliate
Simple, Leaflets
 Gen., Outline
 1.....
 2.....
 3.....
 4.....
 5.....
 6.....
 7.....

8.....spatulate
 9.....oblong
 10.....elliptical
 11.....oval
 12.....round
 13.....ovate
 14.....obovate
 15.....cuneate
 16.....
b.....
 1.....acuminate
 2.....acute
 3.....obtusate
 4.....truncate
 5.....retuse
 6.....emarginate
 7.....cordate
 8.....auriculate
 9.....sagittate
 10.....hastate
 11.....peltate
 12.....reniform
 13.....claspiform
 14.....connate
 15.....decurrent
 16.....

Petiole

Form.....terete
 grooved
 compressed
 leaf-like
Kind
 margined
 sheathing
 Surface a. b. c. d. e.

Stipules

Form.....
 Adhesion.....free
 adnate
 clasping
 membranous
 foliaceous
 spinous
 setaceous
 persistent
 deciduous
 fugacious
BRACTS
 Form.....a.....b.....c.....d.....
 Surface a. b. c. d. e.

Gen. Character

membranous
 foliaceous
 spinous
 setaceous
 persistent
 deciduous
 fugacious
MARGIN
 revolute
 entire
 serrate
 denate
 crenate
 repand
 sinuate
 imbricated
 fringed
 ciliate
 lobed
 cleft
 parted
 pectinate
 lyrate
 punctate
 divided

Surface

a.....b.....c.....d.....
 Gen. Character.....tomentose
 petaloidous
 membranous
 subulous
**INFLORES-
 GENCE**
 Terminal.....solitary
 cyme
 fascicle
 glomerule
 verticillaster

Axillary

Form.....a.....b.....c.....d.....
 Surface.....reticulate
 umbel
 panicle
 thyrsus
 spike
 spatix
 catkin
 head
FLOWER.
 Kinds.....pubescent

4.....symmetrical
 5.....complete
 6.....perfect
 7.....regular
 8.....staminate
 9.....pistillate
 10.....neutral
Odor
 Plan.....merous
Stalk
 Length.....
 Surface a. b. c. d. e.
Pediole
 Length.....
Height. Sap
 Surface a. b. c. d. e.
Involve
 Form.....rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid.

Scales

No. of rows.....
 Arrangement.....
 Direction.....
 appressed
 erect
 spreading
 reflexed
 Form a. b. c. d. e.
 Surface a. b. c. d. e.

Texture

petaloidous
 foliaceous
 scarious
 spinous
 rigid
 chaffy.
RECEPTACLE
 Form.....urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical
Disk
 hypogynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

.....chauffy Texture	.....versatile introrse.....exorse.....pendulous Form.....sagittate.....axillary.....petalate.....awned.....cordate	.....included.....esserted Zoeciation.....per-central.....parietal	.....included.....esserted Zoeciation.....per-central.....parietal	.....chauffy Texture	.....versatile introrse.....exorse.....pendulous Form.....sagittate.....axillary.....petalate.....awned.....cordate	.....included.....esserted Zoeciation.....per-central.....parietal	.....included.....esserted Zoeciation.....per-central.....parietal
.....saucer-shaped.....cup-shaped.....complicate.....funnel-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....labiate.....gukate.....ringent.....personate.....spurred.....inflated.....saccate Border.....trinate.....entire.....lobed.....cleft.....parted Pappus.....cup.....seaks.....awns.....bristles Persepal us Polypetalous.....saccous.....hilaris.....cruciferous.....eryophyllaceous.....papilionaceous.....anomalous	.....a. b. c. d. .....a. b. c. d. Aestivation.....valvate.....induplicate.....rectuplicate.....imbricate.....contorted.....plicatic.....supervolute Stamens Number.....alternate.....opposite Insertion.....hypogynous.....perigynous.....epigynous.....on a disk.....epiptalous Length.....long.....short.....didynamous.....tetradynamous Cohesion.....adelphous.....syngenesious Gen. Features.....included.....esserted.....sessile.....connivent Filament Form.....capillary.....filiform	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent
.....chalybeate Texture	.....sessile.....sessile.....capillary.....filiform Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....chalybeate Texture	.....sessile.....sessile.....capillary.....filiform Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent
.....chalybeate Texture	.....sessile.....sessile.....capillary.....filiform Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....chalybeate Texture	.....sessile.....sessile.....capillary.....filiform Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent	.....No. of Cells Odor Taste Pericarp.....membranous.....cartaceous.....succulent

REMARKS:

ORDER:

Name, } SCIENTIFIC,
} COMMON,

LOCALITY,

No.

DATE,

187.

CHECK TABLE.

GENERAL FEATURES.	1 hollow	5 spatulate	4 villous	1 symmetrical
Habit.	2 fleshy	9 oblong	5 silky	1 complete
1 terrestrial	10 glaucate	10 elliptical	2 woolly	1 perfect
2 aquatic	11 tumid joint	11 oval	3 velvety	1 regular
3 parasitic	Surface	12 round	Stiff Hairs	1 staminate
4 aerial	13 ovate	13 obovate	1 spinous	1 pistillate
5 annual	14 N. . . c	15 cuculate	1 hispid	1 neutral
6 biennial	Color	15 truncate	2 articulate	
7 perennial	Height	Brow	3 spinous	
Duration	1 rhizomat	1 acuminate	4 prickly	Odor
Odor	2 tuber	2 acute		Plan
Juice	3 bulb	3 obtuse	Petiole	Stalk
Color	LEAVES.	4 truncate	Form	Foamlike
Taste	5 sessile	5 retuse	1 grooved	Length
Gen. Char.	6 petiolate	6 emarginate	2 terete	Surface
ROOT.	7 stipulate	7 cordate	3 compressed	Length
Form	8 exstipulate	8 auriculate	4 leaf-like	Height
1 conical	9 equitant	9 sagittate	1 margincd	Surface
2 fusiform	Arrangement	10 hastate	2 clasping	Form
3 napiform	On the Stem.	11 pectate	3 sheathing	Involute
4 ramose	1 cauline	12 reniform	4 clasping	Form
5 solvent	1 radical	13 clasping	5 leaf-like	
6 fibrous	2 runcal	14 connate	Stipules	
7 fasciculate	Along the Axis.	15 decurrent	Form	
8 aereal	1 alternate	C	Adhesion	
Gen. Char.	2 scattered	Apex	1 free	
STEM.	3 fasciculate	1 acute	2 adnate	
1 exogenous	4 opposite	2 obtuse	3 clasping	Scales
2 endogenous	5 verticillate	3 obtuse	4 membranous	No. of rows.
ature	Duration	4 retuse	5 foliateous	Number.
1 herbaceous	1 persistent	5 emarginate	6 spinous	Direction.
2 suffruticose	2 deciduous	6 obtusate	7 salicaceous	1 erect
3 fibrose	Vernation	7 cuspidate	8 persistent	1 spreading
4 herbrescent	Texture	8 aristate	9 deciduous	1 reflex
5 fibrous	1 succulent	d	10 rugulose	
6 fibrous	2 corticeous	Margia	11 revolute	BRACCTS
Dir. of Growth	3 fissile	1 entire	2 serrate	Form
1 ascending	4 pinnate	3 serrate	4 dentate	Surface
2 decumbent	5 pinnatis	5 crenate	5 crenate	vea. Character
3 diffuse	6 S.	6 repand	6 repand	1 peduncous
4 prostrate	Venation	7 straight	7 straight	2 petalaceous
5 creeping	1 parallel	8 curved	8 curved	3 membranous
6 climbing	2 transverse	9 transverse	9 transverse	4 spinous
Branching	Noted.	10 pinnate	10 ciliate	
1 simple	1 pinnate	11 3-nerved	11 lobed	Terminal
2 furcate	2 3-nerved	12 5-nerved	12 cleft	1 solitary
3 racemose	3 paniculate	13 radiate	13 parted	2 cymose
4 paniculate	4 diffuse	Form.	14 pectinate	3 fasciculate
5 corymbose	5 diffuse	Compound.	15 pectinate	4 glomerate
6 diffuse	6 deliquescent	1 palmate	16 lyrate	5 verticillaster
SpecialForms	7 suckers	1 toliate	17 runcinate	INFLORESCENCE
1 stolons	8 stolons	a	18 divided	Form
2 suckers	9 stolons	No Hairs	19 No hairs	1 solitary
3 offsets	10 runners	1 glabrous	1 glabrous	2 corymb
4 stolons	11 tendrils	2 strauous	2 strauous	3 umbel
5 runners	12 thorns	3 paniculate	3 paniculate	4 panicle
6 tendrils	Gen. Char.	4 acicular	4 acicular	5 thyrus
1 thorns	1 terete	5 acerose	5 acerose	6 spine
2 thorns	2 striate	6 subulate	6 subulate	7 spatulæ
3 terete	3 grooved	7 linear	7 linear	8 catkin
4 grooved	4 angled.	8 pilosus	8 pilosus	9 head
5 angled.	5 solid	9 pubescent	9 pubescent	10 bristly
6 solid				FLOWER.
				Kinds

CHECK TABLET.

GENERAL FEATURES	8 hollow	9 spatulate	14 villous	15 symmetric 1
Habit.	flexuose	oblong	sulky	complete
terrestrial	geminate	elliptical	waxy	perfect
aquatic	tumid joint	oval	velvety	staminate
parasitic	a. b. c	round	Soft hairs	pistillate
erial	13 ovate	14 obovate	scariosus	neutral
Duration	15 cuculate	16 annulate	17 striatous	microns
annual	annular	annular	18 striatous	Odor
biennial	19 annular	20 annular	19 annular	Plan
perennial	21 annular	22 annular	23 annular	Stalk
Odor	24 annular	25 annular	26 annular	reticulate
Juice	27 annular	28 annular	29 annular	Length
Color	30 annular	31 annular	32 annular	Surface. a. b. c.
Taste	33 annular	34 annular	35 annular	Length
Gen. Char.	36 annular	37 annular	38 annular	Height
ROOT.	39 annular	40 annular	41 annular	Surface. a. b. c.
Form	42 annular	43 annular	44 annular	Term
conical	45 annular	46 annular	47 annular	cus-tous
fusiform	48 annular	49 annular	50 annular	cup-shaped
napiform	51 annular	52 annular	53 annular	hemispherical
ramose	54 annular	55 annular	56 annular	conical
solvent	57 annular	58 annular	59 annular	ovoid.
fibrous	60 annular	61 annular	62 annular	Scales
fasciculate	63 annular	64 annular	65 annular	No. of lobes
aerial	66 annular	67 annular	68 annular	Number
Gen. Char.	69 annular	70 annular	71 annular	Direction
STEM	72 annular	73 annular	74 annular	direct
exogenous	75 annular	76 annular	77 annular	spreading
endogenous	78 annular	79 annular	80 annular	retlexed
retorture	81 annular	82 annular	83 annular	Inflorescence
suberosecent	84 annular	85 annular	86 annular	Terminal
suffruticose	87 annular	88 annular	89 annular	solitary
suffruticose	90 annular	91 annular	92 annular	cymose
diffuse	93 annular	94 annular	95 annular	paniculate
atoporescent	96 annular	97 annular	98 annular	glomerule
atoporescent	99 annular	100 annular	101 annular	verticillate
erect	102 annular	103 annular	104 annular	Axillary
decumbent	105 annular	106 annular	107 annular	solitary
diffuse	108 annular	109 annular	110 annular	paniculate
prostrate	111 annular	112 annular	113 annular	corymb
erecting	114 annular	115 annular	116 annular	umbel
climbing	117 annular	118 annular	119 annular	panicle
twining	120 annular	121 annular	122 annular	thyrsus
Branching	123 annular	124 annular	125 annular	spike
simple	126 annular	127 annular	128 annular	statis
recurrent	129 annular	130 annular	131 annular	catkin
racemose	132 annular	133 annular	134 annular	head
paniculate	135 annular	136 annular	137 annular	FLOWER
corymbose	138 annular	139 annular	140 annular	Kind
diffuse	141 annular	142 annular	143 annular	pubescent
deliquescent	144 annular	145 annular	146 annular	pubescent
Special Forms	147 annular	148 annular	149 annular	pubescent
suckers	150 annular	151 annular	152 annular	pubescent
stolons	153 annular	154 annular	155 annular	pubescent
runners	156 annular	157 annular	158 annular	pubescent
tendrils	159 annular	160 annular	161 annular	pubescent
thorns	162 annular	163 annular	164 annular	pubescent
sterile	165 annular	166 annular	167 annular	pubescent
striate	168 annular	169 annular	170 annular	pubescent
grooved	171 annular	172 annular	173 annular	pubescent
angled	174 annular	175 annular	176 annular	pubescent
solid	177 annular	178 annular	179 annular	pubescent

.....chaffy Texture	.....versatile introrse extrorse pendulous Form.....sagittate.....petalate.....awned.....cordate <i>infract</i>.....obovate <i>No. of Cells</i> <i>Dehiscence</i>.....lateral.....oblique	.....included.....retreated.....axillary.....articular.....grooved	.....<i>Surface</i> , a, b, .c. Color Gen. Character.....ribbed.....grooved
Calyx- Corolla.....campeolalous.....campeolalous.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....guttate.....ringent.....personate.....spurred.....inlaid.....saccate	.....apressed.....spreading.....retracted.....sepals.....petals Form.....sepals.....spurred.....petals.....c. .c. .d. .....c. .c. .d.	Ploaction.....included.....retreated.....axillary.....articular.....grooved	SEED Number Form.....oblong.....ovate.....ovoid
Stamens Number.....pedicel.....opposite.....hypogynous.....epigynous.....gynandrous.....on a disk.....epipetalous Length.....long.....short.....didynamous.....tetradynamous.....adelphous.....syngenesious Gen. Features.....included.....exserted.....sessile.....comarcent Filament Form.....capillary.....filiform.....filiform	.....closed.....open.....simple.....multiple.....complanate Stigma Position.....terminal.....lateral.....sessile Stam.....ob-oid.....globose.....lobed.....bilobed.....linear Cyle Form.....filiform.....brauchin? .....declinate Position.....terminal.....lateral.....basilar Number Surface... a, b, .c. Ovary Adhesion.....superior.....half-superior.....inferior <i>No. of Cells</i> Form	Ovules Kind.....orthotropous.....campylotropous.....anatropous.....amphitropous Dir. in Ovary.....erect.....ascending.....horizontal.....pendulous.....suspended	Attachment sessile.....funiculate.....sessile <i>Surface</i> , a, b, .c. Color Texture
Border.....truncate.....entire.....lobed.....cleft.....parted.....cup.....cup.....scales.....awns.....bristles Polysepal us Polysepalous.....resaccous.....lilaceous.....cradiciform.....lilaceous.....carophyllaceous.....papilionaceous.....anomalous	.....sessile.....complanate Number Stigma Position.....terminal.....lateral.....sessile Stam.....ob-oid.....globose.....lobed.....bilobed.....linear Cyle Form.....filiform.....brauchin? .....declinate Position.....terminal.....lateral.....basilar Number Surface... a, b, .c. Ovary Adhesion.....superior.....half-superior.....inferior <i>No. of Cells</i> Form	Coats <i>Surface</i> , a, b, .c. Color Texture	Coats <i>Surface</i> , a, b, .c. Color Texture
Duration.....deciduous.....nurescent.....persistent Color.....calyx.....corolla Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....sessile.....comarcent Filament Form.....capillary.....filiform.....filiform	Appendages.....for utricular.....epitricheal.....circumscissile	Appendages.....aril.....straphiote.....wing.....cama
Texture	.....sessile.....comarcent Number Stigma Position.....terminal.....lateral.....sessile Stam.....ob-oid.....globose.....lobed.....bilobed.....linear Cyle Form.....filiform.....brauchin? .....declinate Position.....terminal.....lateral.....basilar Number Surface... a, b, .c. Ovary Adhesion.....superior.....half-superior.....inferior <i>No. of Cells</i> Form	Embryo Form.....straight.....bent.....rolled.....samara.....foliicle.....leucome.....capsule.....silique.....silicle.....pyxis Aggregato Accessory Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	Embryo Form.....straight.....bent.....rolled.....samara.....foliicle.....leucome.....capsule.....silique.....silicle.....pyxis Aggregato Accessory Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent

REMARKS :

ORDER : No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY, DATE, 187.....

CHECK TABLE.

GENERAL FEATURES.	8	..... spatulate	4	..... villous	..... symmetrical
Habit.	9	..... flexuose	9	..... 5-nerved	..... complete
..... terrestrial	10	..... geniculate	10	..... elliptical	..... perfect
..... aquatic	11	..... tumid joint	11	..... oval	..... ovary
..... parasitic	12	..... a. b. c.	12	..... round	..... stimulate
..... aerial	13	..... ovate	13	..... bifid hairs	..... pinulate
Duration	14	..... obovate	14	..... hispid	..... neutral
..... annual	15	..... cuculate	15	..... stipitate	..... Odor
..... biennial	16	..... b. c.	16	..... acuminate	..... Plan
..... perennial	17	..... tuber	17	..... acute	..... stalk
Juice	18	..... bath	18	..... obtuse	..... Form
..... Color	19	..... sessile	19	..... truncate	..... Length
..... Taste	20	..... stipitate	20	..... reflex	..... Surface
ROOT.	21	..... p. etilate	21	..... emarginate	..... Pedicel
Form	22	..... stipulate	22	..... cordate	..... Length
..... conical	23	..... ex-stipulate	23	..... auriculate	..... Kind
..... fusiform	24	..... equitant	24	..... sagittate	..... Height
..... napiform	25	..... Arrangement	25	..... hastate	..... Surface
..... ramose	26	..... On the Stem.	26	..... petiole	..... a. b. c.
..... solvent	27	..... cauline	27	..... reflex	..... Pedicel
..... fibrous	28	..... radical	28	..... emarginate	..... Length
..... fasciculate	29	..... fraxinal	29	..... cordate	..... Kind
..... aerenal	30	..... Along the Axis.	30	..... auriculate	..... Stalk
Gen. Char.	31	..... alternate.	31	..... hastate	..... Length
STEM.	32	..... scattered.	32	..... petiole	..... Surface
..... elong. emor.	33	..... fasciculate	33	..... reflex	..... Pedicel
..... endogenou	34	..... opposite	34	..... emarginate	..... Length
nature	35	..... verticillate	35	..... hastate	..... Kind
..... herbaceous	36	..... persistent	36	..... reniform	..... Height
..... suffruticose	37	..... deciduous	37	..... clasping	..... Surface
..... suffruticose	38	..... Vernation	38	..... cuculate	..... a. b. c.
..... fruticose	39	..... deciduous	39	..... microneurite	..... Pedicel
..... arborescent	40	..... Texture	40	..... arisulate	..... Length
..... arborescent	41	..... succulent	41	..... c. d.	..... Kind
..... erect	42	..... coriaceous	42	..... revolute	..... Height
..... assurgent	43	..... rugose	43	..... entire	..... Surface
..... decumbent	44	..... S. o. s.	44	..... serrate	..... Pedicel
..... diffuse	45	..... Venation.	45	..... dentate	..... Length
..... prostrate	46	..... straight	46	..... crenate	..... Kind
..... creeping	47	..... curved	47	..... repand	..... Height
..... climbing	48	..... transverse	48	..... sinuate	..... Surface
..... twining	49	..... Method.	49	..... incisid	..... Pedicel
Branching	50	..... pinnate	50	..... fringed	..... Length
..... simple	51	..... 3-nerved	51	..... ciliate	..... Kind
..... furcate	52	..... radiate	52	..... lobed	..... Height
..... excurrent	53	..... Form.	53	..... serrulate	..... Surface
..... racemose	54	..... pinnate	54	..... lobed	..... Kind
..... paniculate	55	..... 3-nerved	55	..... cleft	..... Height
..... corymbose	56	..... radiate	56	..... parted	..... Surface
..... deliquescent	57	..... Compound.	57	..... pectinate	..... Pedicel
..... strobiles	58	..... pinnate	58	..... lyrate	..... Length
..... strobiles	59	..... foliate	59	..... runcinate	..... Kind
..... obfusa	60	..... Simple, Leaflets	60	..... divided	..... Height
..... runners	61	..... Gen., Outline	61	..... No Hairs	..... Surface
..... tendrils	62	..... 1	62	..... glabrous	..... Kind
..... thorns	63	..... 2	63	..... glaucous	..... Height
Gen. Char.	64	..... 3	64	..... punctate	..... Surface
..... terete	65	..... 4	65	..... verrucose	..... Kind
..... striate	66	..... 5	66	..... setose	..... Height
..... grooved	67	..... linear	67	..... puberulent	..... Surface
..... angled.	68	..... lamcolate	68	..... pilosus	..... Kind
..... solid	69	..... oblanceolate	69	..... pubescent	..... Height

.....chaffy Texture	.....versatile introrse extrorse pendulous Form sagittate pedate cordate lobed	.....included.....serted	.....Surface, a. b. c.
Calyx-Corolla Gynaecealons Gamopetalous saucer-shaped cup-shaped campanulate funnel-form urn-shaped tubular ligulate labiate galeate ringent personate spurred inflated succate	.....sepalis, Totals appressed spreading reflexed sepals petals Form sepals c. d. spurred petals c. d. open induplicate reduplicate imbricate convolute plicate superovul. l.	.....Flacuation free-central axillary parietal	.....Gen. Character ribbed grooved furrowed
Stamens Number..... Position..... Insertion..... hypogynous perigynous epigynous gynandrous on a disk epipetalous Length long stout tetradynamous Cohesion synantherous Gen. Features included exserted sessile connivent Filament capillary filiform Surface, a. b. c. d. e. Anther Attachment imbricate adnate	.....No. of Cells Dehiscence lateral Pollen Fellinia Pistil Kinds closed open Cohesion simple multiple compound Number Number Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form biflorous branched declinate Position terminal lateral basilar Number, a. b. c. d. e. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. d. e. Gen. Features	.....Ovules and amphitropous anatropous ovate ovoid Dir. in Ovary erect ascending horizontal pendulous Number suspended	.....SEED Number Form
Border truncate entire lobed cleft parted Papaya cup scales awns bristles Papaeal us Polypetalous rosaceous filaricos cruciferous Caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surraco calyx ribbed nerved corolla throat Texture	.....Dehiscence loculicidal septifragal circumscissile Kinds Flesh berry pepo pome Stone drupe Dry achenium utricle Samara follicle legume capsule silique silicle pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	.....Albumen quantity Texture Color Embryo Form straight bent foiled Size Position as to Albumen outside inside Radicle Direction Length Plumulo Number Position Caryellons Form Size Number Texture	.....Surface, a. b. c. d. e. Appendages Color Texture

REMARKS:

ORDER: No.

Name, (SCIENTIFIC,)
(COMMON,)

LOCALITY, DATE, 187

CHECK TABLE.

GENERAL FEATURES.

Habit, terrestrial

Surface
 a.....b.....c.....

Color
 Gen. Char.....

ROOT.

Form
 conical fusiform napiform
 ramose fibrous fasciculate
 acruil

Gen. Char.
STEM.
 exogen endogen
 mature herbaceous
 sufrutescent
 teratose arborescent
 Dir. of Growth
 erect

assurgent divaricate
 prostrate creeping
 climbing twining
 simple

Branching
 furcate excurrent
 racemose paniculate
 corymbose diffuse

Special Forms
 suckers stolons
 offsets runners
 tendrils thorns

Gen. Char.
 terete striate
 grooved angled. solid

hollow flexuose geniculate
 tumid joint

Surface
 a.....b.....c.....
Color
 Height Underground

LEAVES.
 Kinds sessile
 p. foliate exstipulate
 equitant

Arrangement
 On the Stem.
 cauline radical
 ramal
 Along the Axis.

alternate, scattered.
 opposite fasciculate
 opposite verticillate

Duration
 persistent deciduous

Vernation
 Texture

pubescent rugose
 smooth
 Venation

straight curved
 transverse
 Netted.

pinnae 3-nerved
 5-nerved radiate

Form.
 Compound.
 pinnae palmate
 lobate

Simple, Leaders
 Gen., Outline
 filiform acicular
 acrose subulate
 linear lanceolate
 oblanceolate

spirulate oblong
 elliptical oval
 renatal ovate
 obovate cuneate

Bases
 acuminate acute
 obtuse truncate
 retuse emarginate
 cordate auriculate

sagittate hastate
 pedate reniform
 clasping connate
 decurrent

Appears
 acuminate acute
 obtuse truncate
 retuse emarginate
 cuneate

obcordate auriculate
 sagittate hastate
 pedate reniform
 clasping connate
 decurrent

Gen. Character
 membranous foliaceous
 spinous
 Duratin

erect persistent deciduous
 fugacious

BRACTS
 a.....b.....c.....
 ven. scarate
 petalaceous
 imbricated

fringed ciliate
 lobed cleft
 parted
 petiolate

lyrate truncate
 divided
Surface
 a.....b.....c.....

glaucous lanous
 punctate verrucose
 Soft Hairs
 puberulent pilosus
 pubescent

villous silky
 woolly velvety
Stiff Hairs
 setaceous hispid
 spinous prickly

Petiole
 form
 terete grooved
 compressed leaf-like

Kind
 n. n. gined clasping
 Sheathing

Surface
 a.....b.....c.....
Stipules
 Form

a.....b.....c.....
 Adherence
 adnate chasping
 membranous

foliaceous spinous
 scabrous
 persistent deciduous
 fugacious

BRACTS
 a.....b.....c.....
 ven. scarate
 petalaceous
 imbricated

fringed ciliate
 lobed cleft
 parted
 petiolate

lyrate truncate
 divided
Surface
 a.....b.....c.....

glaucous lanous
 punctate verrucose
 Soft Hairs
 puberulent pilosus
 pubescent

symmetrical complete
 perfect color
 stimulate neutral

Odor
 Plan
 Stalk
 Peduncle

Length
 Surface a.....b.....c.....
 Pedicel

Length
 Blade
 Surface a.....b.....c.....

Involute
 Form
 rosaceous cup-shaped
 hemispherical
 bell-shaped
 cylindrical conical
 ovoid.

Scales
 No. of rows.
 Number.
 Direction.

Receptacle
 Form
 urn-shaped concave
 flat elongated
 conical

convex hemispherical
 Disk.
 hypogynous perigynous
 epigynous
 Spices
 naked smooth
 punctate alveolate
 bristly

INFLORESCENCE
 Terminal solitary
 cyme fascicle
 glomerate
 verticillaster

Axillary
 solitary
 raceme corymb
 umbel panicle
 thyrsus
 spike
 spathe
 calkin
 head

FLOWER.
 Kinds

charity Texture	versatile	included exserted	Surface, a. b. c.
Calyx. Corolla 5-merous Gamopetalous	appressed spreading reflexed Form	Flaccidation free-central axillary parietal	Color Gen. Character ribbed furrowed
rotate saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped	sepalate petalate Form sepal a. b. c. d. spurred petals a. b. c. d.	Ovules Kind orthotropous campylotropous anatropous ambitropous	SEED Number oblong sessile ovoid
tubular ligulate lobate lobate ringent perispermate spurred indented sessate	No. of Cells Dehiscence Lateral Follicle Follicle	Dir. in Ovary erect ascending horizontal pendulous suspended	Attachment sessile funiculate
Stamens Number position indication length awn bristles Polysepal us Polytetalous	Number Stigma Position terminal lateral sessile Form disked lobed filiform finnar Style Form filiform bracteate dehiscence Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c.	FRUIT Dehiscence septicidal loculicidal circumscissile	Coats Surface, a. b. c.
trilocular lobed clat parted Pappus cup seeds awns bristles Polysepal us Polytetalous	Stamens Position terminal lateral sessile Form disked lobed filiform finnar Style Form filiform bracteate dehiscence Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c.	Kinds Woody berry pome	Albumen Quantity Texture Color
sessaceous hirs-cous cruciferous caryophyllaceous papilionaceous anomalous	Stamens Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c.	Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Number Position Cotyledons Form Size Number Texture	
deciduous marcescent persistent Color calyx corolla Surface ribbed nerved corolla throat	Stamens Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c.	Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous cartilagenous succulent	
Texture	Stamens Position terminal lateral basilar Number Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c.		

REMARKS:

ORDER:

Name, { SCIENTIFIC,
 } COMMON,

LOCALITY,

No.

DATE,

chaffy Texture	Sepals, Petals compressed spreading reflexed	versatile introrse extrorse pendulous Form sagittate petalate awned cordate lobed	included exserted	Surface, a. b., c.
Calyx, Corolla gamopetalous gamopetalous	sepal petal. Form sepal d. spurred petal c. d. petal c. d.	sessile oblong ovate lateral	Flaccidation pre-central axillary parietal	Gen. Character ribbed grooved furrowed
saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular bilobate ligulate bilobate galeate ringent personate spurred mildred saccate	petals c. d. petal c. d. petal c. d.	No. of Cells , Dehiscence	Ovules Kind orthotropous campylotropous anatropous amphitropous Dir. in Ovary erect	SEED Number oblong ovate ovoid
Aestivation open valvate induplicate rectuplicate imbricate contorted convolute plicata superovate	Pistil closed open simple multiple compound		Attachment sessile funiculate	
Stamens Number Pecunia opposite Incurvation hypanthium perigonium epigynous on a disk epipetalous Length long short didynamous tetradynamous Chetone adelphous svagenestous	Stigma Position lateral sessile	Number Stigma Position terminal lateral sessile	Color Texture	
filaments confuse beard claf papil cap seals arous bristles	alternata opposite hypanthium perigonium epigynous on a disk epipetalous Length long short didynamous tetradynamous Chetone adelphous svagenestous	Number Stigma Position terminal lateral sessile	Embryo Form straight bent rolled	
Poeyopal us Polypetalous resaccous filareous cruciferous caryophyllaceous papilionaceous anomalous	Gen. Features included exserted sessile convivint Filament Form capillary fillform	Position terminal lateral basilar	Form straight bent rolled	
deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat	Surface, a. b., c. Attachment innate adnate	Number Surface, a. b., c. Ovary Adhesion superior half-superior inferior Form	Direction Length Flumule Number Position Cotyledons Form	
Texture		No. of Cells Odor Taste Pericarp membranous cartilagenous sacculent	Size Number Texture	

REMARKS:

ORDER:

No.

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

187

CHECK TABLET.

GENERAL FEATURES.	1 hollow	8 spatulate	4 villous	1 symmetrical
Habit.	2 flexuose	9 oblong	5 silky	6 complete
1 terrestrial	3 geminate	10 cleft-increased	6 woolly	7 perfect
2 aquatic	4 terminal joint	11 oval	7 velvety	8 regular
3 parasitic	Surface	12 rounded	8 set hairs	9 staminate
4 aerial	a. d. b. c	13 obovate	1 scariosus	10 pistillate
Duration	Color	14 obovate	2 hispid	11 neutral
1 annual	Height	15 cuneate	3 spinosus	Odor
2 biennial	Underground	16 decurrent	4 synonous	Plan
3 perennial	1 rhizomat	Base	5 prickly	micronous
	2 tuber	1 acuminate	Petiole	Stalk
	3 bulb	2 acute	Form	Stipule
	LEAVES.	3 obtuse	1 serrate	Length
	1 sessile	4 truncate	2 grooved	Surface
	2 petiolate	5 emarginate	3 compressed	a. b. c.
	3 stipulate	6 cordate	4 leaf-like	Petiole
	4 exstipulate	7 auriculate	5 leaf-like	Length
	5 equitant	8 serrulate	Kind	Shape
	Arrangement	9 basate	1 margined	Surface
1 on the stem	10 periform	10 petiole	2 clasping	a. b. c.
2 cauline	11 opposite	11 reniform	3 sheathing	Involve
3 radical	12 opposite	12 cordate	Surface	a. b. c.
4 terminal	13 verticillate	13 decurrent	Length	Form
Along the Axis.	Duration	14 decurrent	Stipules	
1 alternate	1 persistent	Apex	a. b. c.	
2 scattered	2 deciduous	1 acuminate	Adhesc	
3 rosulate	Vernation	2 acute	1 free	
4 fasciculate	1 opposite	3 obtuse	2 clasping	
5 verticillate	2 persistent	4 truncate	3 membranous	Scab
Duration	3 deciduous	5 renuse	4 foliaceous	Number
1 persistent	4 deciduous	6 emarginate	5 spinous	Direction
2 deciduous	Vernation	7 orbiculate	6 duration	1 appressed
3 deciduous	1 opposite	8 cordate	7 persistent	2 spreading
Texture	2 serrulate	9 macromate	8 deciduous	3 reflexed
1 succulent	3 entire	10 aristate	9 fuscations	4 cret
2 coriaceous	Margin	11 revolute	BRACCTS	Form
3 rugose	1 serrate	12 serrate	a. b. c. d.	1 sessate
4 lobed	2 dentate	13 cleft	Surface	a. b. c.
5 serrate	3 crenate	14 pinnate	Gen. Character	1 petaloidous
6 straight	4 repand	15 pectinate	1 foliaceous	2 scariosus
7 curved	5 sinuate	16 lyrate	2 petaloidous	3 spinous
8 transverse	6 incisive	17 divided	3 membranous	4 spinous
Netted	7 fringed	Form	4 spinous	5 ch. d. y.
1 pinnate	8 ciliate	18 divided	INFLOES- CENCE	Receptacle
2 3-nerved	9 serrulate	Surface	1 terminal	Form
3 5-nerved	10 lobed	19 entire	2 solitary	1 urn-shaped
4 radiate	11 cleft	20 pinnate	3 cyme	2 concave
Form.	12 pectinate	21 pinnate	4 laciniate	3 flat
1 pinnate	13 pectinate	22 lyrate	5 glomerule	4 cylindrical
2 3-nerved	14 radiate	23 divaricate	6 verticillate	5 elongated
3 radiate	15 lyrate	24 trilocular	7 terminal	6 conical
Compound.	16 divided	25 entire	8 solitary	7 hemispherical
1 pinnate	Surface	26 entire	9 racemose	8 disk
2 palmate	a No Hairs	27 lobed	10 corymb	9 hypogynous
3 foliate	1 glabrous	28 glaucous	11 umbel	10 perigynous
Simple, Leaflets	2 glaucous	29 punctate	12 pauciflor	11 spinous
a Gen. Outline	3 pinnate	30 verrucose	13 thyrsus	12 spinous
1 filiform	4 entire	31 setae	14 spadix	13 Surface
2 acicular	5 serrate	32 pubescent	15 catkin	14 naked
3 acrose	6 puberulent	33 pilosus	16 beard	15 smooth
4 subulate	Set Hairs	34 pubescent	FLOWER.	16 punctate
5 linear	1 puberulent	35 pilosus	Kinds	17 alveolate
6 lanceolate	2 pubescent	36 pubescent		18 bristly
7 obtusacolate	3 pubescent			

..... chaffy	..... sessile	..... versatile	..... included	..... Color
Texturo	..... appressed	..... introrse	..... exserted	<i>Surface, a. b. c. . .</i>
Calyx-Corolla	..... spreading	..... extrorse	Flacination	Con. Character
Gamopetalous	..... reflexed	..... pendulous	..... free-central	..... ribbed
..... sepals	..... sagittate	..... Form	..... axillary	..... grooved
..... petals	..... peltate	..... awned	..... parical	..... furrowed
Form	..... cordate	..... No. of Cells, <i>Delusae</i> <i>in ce</i>	Ovules	SEED
a. b. c. . . d. . .	..... <i>lobed</i>	..... lateral	Kind	Number
a. b. c. . . d. . .	..... Pollen	..... Pollinia	..... orthotropous	..... oblong
Aestivation	..... valvate	Pistil	..... campylotropous	..... sessile
..... open	..... reduplicate	Kinds	..... anatropous	..... funiculate
..... imbricate	..... contorted	Concecion	..... amphitropous	..... ovoid
..... convolute	..... pliate	..... multiple	Dir. in Ovary	Attachment
..... superovul.	..... Stigma	Position	..... ascending	..... sessile
Stamens	..... <i>terminal</i>	..... lateral	..... pendulous	..... funiculate
Number	..... sessile	Form	..... horizontal	Coats
..... alternate	..... Epigynous	..... on a disk	..... vertical	<i>Surface, a. b. c. . .</i>
Emperica	..... perigynous	..... lobed	..... circumscissile	Appendages
..... epigynous	..... gynob. . . . .	..... linear	..... bifid	..... cuneate
..... on a disk	..... epipetalous	..... linear	..... circumscissile	..... wing
Length	..... long	Style	Kinds	..... count
..... short	..... tetradynamous	..... bifid	Fleshy	Albumen
..... tetradynamous	..... adcliphous	..... declinate	..... berry	..... gamay
Concecion	..... included	Position	..... pome	Texturo
..... adcliphous	..... essential	..... lateral	..... Sino	Color
Gen. Features	..... sessile	..... basilar	..... drupe	Embryo
..... connivent	..... Filament	Number	..... Dry	form
..... <i>convivent</i>	..... capillary	<i>Surface, a. b. c. . .</i>	..... achenium	..... straight
Filament	..... filiform	Ovary	..... utricle	..... bent
Form	..... <i>filiform</i>	..... superior	..... stamata	..... rolled
..... capillary	..... <i>filiform</i>	..... inferior	..... Lecume	Size
..... <i>filiform</i>	Surface, a. b. c. . .	No. of Cells	..... capsule	..... outside
Attachment	..... minute	Form	..... silique	..... inside
..... minute	..... <i>minute</i>	Gen. Features	..... pycnis	Radicie
..... <i>minute</i>	Remarks	Surface, a. b. c. . .	..... Aggregate	Length.
..... <i>minute</i>	ORDER :	Gen. Features	..... Accessory	Flumale
..... <i>minute</i>	REMARKS :	..... <i>minute</i>	..... Multiple	Position
..... <i>minute</i>	Name, } SCIENTIFIC,	..... <i>minute</i>	No. of Cells	Coryleous
..... <i>minute</i>	Name, } COMMON,	..... <i>minute</i>	Odor	Form
..... <i>minute</i>	LOCALITY,	..... <i>minute</i>	Taste	Size.
..... <i>minute</i>	DATE,	..... <i>minute</i>	Pericarp	Number.
..... <i>minute</i>	187.	..... <i>minute</i>	Texture	Texture
..... <i>minute</i>		..... <i>minute</i>	..... membranous	
..... <i>minute</i>		..... <i>minute</i>	..... coriaceous	
..... <i>minute</i>		..... <i>minute</i>	..... succulent	

REMARKS :

ORDER :

Name, } SCIENTIFIC,

Name, } COMMON,

LOCALITY,

DATE,

187.

CHECK TABLE.

GENERAL FEATURES.

- Habit..... terrestrial
 aquatic.....
 parasitic.....
 aerial.....
- Duration..... annual
 biennial.....
 perennial.....

Odor

- Color.....
 Taste.....
- Gen. Char.....

ROOT.

- Form..... conical
 fusiform.....
 napiform.....
 ramose.....
 solvent.....
 fibrous.....
 fasciculate.....
 aerial.....

Gen. Char.

STEM.

- exogenous.....
 endogenous.....
- Texture..... herbaceous
 suffruticose.....
 arborescent.....
 arborescens.....
 arborescens.....

Dir. of Growth

- erect.....
 decumbent.....
 diffuse.....
 prostrate.....
 creeping.....
 climbing.....
 twining.....
 simple.....
 furcate.....

Branching

- deliquescent.....
 furcate.....
 exarcent.....
 racemose.....
 paniculate.....
 corimbosae.....
 diffuse.....

SpecialForms

- suckers.....
 stolons.....
 offsets.....
 runners.....
 tendrils.....
 thorns.....

Gen. Char.

- terete.....
 striate.....
 grooved.....
 angled.....
 solid.....

- 8..... hollow
 9..... flexuose
 10..... geniculate
 11..... tumid joint
 12..... rounded
 13..... sessile
 14..... obovate
 15..... cuneate

Surface

- a..... b..... c.....
- Color.....
 Height.....
 Underground form.....
 rhizoma.....
 tuber.....
 bulb.....

LEAVES.

- Kinds..... sessile
 petiolate.....
 stipulate.....
 exstipulate.....
 equitant.....

Arrangement

- On the Stem..... cymose
 radical.....
 ramal.....
 Along the Axis..... alternate
 scattered.....
 1..... rosulate
 2..... fasciculate
 3..... opposite
 4..... verticillate

Duration

- peristichous.....
 verticillous.....
 Vernation.....

Texture

- succulent.....
 coriaceous.....
 rugose.....
 1..... 2.....
 Venation..... parallel
 straight.....
 curved.....
 transverse.....

Netted.

- 1..... pinnate
 2..... 3-nerved
 3..... 5-nerved
 4..... radiate

Form.

- Compound..... pinnate
 palmate.....
 foliate.....
- Simple, Leaflets.....
 Gen., *Outline*.....
 1..... filiform
 2..... acicular
 3..... acrose
 4..... subulate
 5..... linear
 6..... lanceolate
 7..... oblanceolate

- 4..... villous
 5..... silky
 6..... woolly
 7..... velvety
 8.....

Stiff Hairs

- sericeous.....
 hispid.....
 scabrous.....
 1..... caliculate
 2..... prickly

Petiole form

- terete.....
 grooved.....
 compressed.....
 leaf-like.....
 Kind.....

Margin

- marginated.....
 clasping.....
 sheathing.....
 Surface..... a..... b..... c..... d.....
 Length.....
 Stipules..... Form.....

Adhæsta

- free.....
 1..... adnate
 2..... clasping
 Gen. Character..... membranous
 3..... foliaceous
 4..... spinous
 5..... scabrous
 Duration..... persistent
 1..... deciduous
 2..... indurated

BRACTS

- a..... b..... c..... d.....
- Surface..... a..... b..... c.....
 Gen. Character..... foliaceous
 membranous.....
 petalaceous.....
 spinous.....
 chloay.....

INFLORESCENCE

- Terminal..... solitary
 1..... cyme
 2..... fascicle
 3..... glomerate
 4..... verticillate

Axillary

- solitary.....
 racemose.....
 corymb.....
 umbel.....
 paniculate.....
 thyrsus.....
 spise.....
 1..... spatix
 2..... caltan
 3..... head

FLOWER.

- 1..... pubescent
 2..... pilosus
 3..... puberulent
 4..... pubescent

- symmetrical
 complete
 perfect
 regular
 staminate
 plissulate
 acutro.....

Odor

- Plan.....
 Stalk.....
 Peduncle.....
 Length.....
 Surface..... a..... b..... c.....
 Length.....
 Pedicel.....
 Length.....
 Shape.....
 Surface..... a..... b..... c.....

INVOLUCE

- tomentose
 cup-shaped
 hemispherical
 boat-shaped
 cylindrical
 conical
 ovoid.....

Scapo

- No. of rows.....
 Number.....
 Direction.....
 appressed
 erect
 spreading
 relaxed
 Form..... a..... b..... c..... d.....
 Surface..... d..... b..... e.....

TEXURE

- peculoidous
 tomentous
 scabrous
 spinous
 rigid
 chloay.....

RECEPTACLE

- Form..... urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical

Disk.

- hypogynous
 perigynous
 epigynous
 Surface.....
 smooth
 punctate
 alveolate
 bristly

.....chafly Texture	Sepals, Petals.....appressed.....spreading.....reflexed <i>Form</i>.....sagittate.....pellate.....awned.....cordate <i>No. of Cells</i> <i>Dehiscence</i>.....lateral <i>Folion</i> <i>Follina</i>	.....versatile.....introrse.....extrorse.....pendulous <i>Form</i>.....sagittate.....pellate.....awned.....cordate <i>No. of Cells</i> <i>Dehiscence</i>.....lateral	.....included.....exserted	<i>Surface</i> , <i>a. b. c.</i> <i>Color</i> <i>Gen. Character</i>.....ribbed.....grooved.....furrowed SEED.....umber
Calyx-Corolla <i>Gamopetalous</i> <i>Gamopetalous</i>.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....galeate.....ringent.....personate.....spurred.....inlaid.....saccate	Aestivation.....open.....valvate.....induplicate.....reduplicate.....emblicate.....contorted.....convolute.....plectate.....supervolvate	.....oblong.....ovate.....obovoid	Form.....oblong.....sessile.....funiculate	Attachment.....sessile.....funiculate
Border.....truncate.....entire.....lobed.....cleft.....parted	Stamens <i>Number</i>.....alternate <i>Insertion</i>.....hypogynous.....perigynous.....epigynous.....on a disk.....epipetalous <i>Length</i>.....long.....short.....didymous.....tetradynamous <i>Cohesion</i>.....adcliphous.....syngamous	<i>Number</i>.....berry.....pepo.....pome <i>Stone</i>.....drupe <i>Dry</i>.....achenium.....utricle.....samara.....follicle.....legume.....capsule.....silicle.....pyxis <i>Aggregate</i>.....Accessory.....Multiple <i>No. of Cells</i> Odor Taste Pericarp <i>Texture</i>.....membranous.....coriaceous.....succulent	Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>	Coats <i>Surface</i> , <i>a. b. c.</i> <i>Color</i> <i>Texture</i> Appendages.....carnelle.....wing.....coma Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>
Pappus.....cup.....scales.....awns.....bristles	Stamens <i>Number</i>.....alternate <i>Insertion</i>.....hypogynous.....perigynous.....epigynous.....on a disk.....epipetalous <i>Length</i>.....long.....short.....didymous.....tetradynamous <i>Cohesion</i>.....adcliphous.....syngamous <i>Gen. Features</i>.....included.....exserted.....sessile.....connivent <i>Filament</i> <i>Form</i>.....capillary.....filiform <i>Surface</i> , <i>a. b. c.</i> <i>Attachment</i>.....innate.....adnate	<i>Number</i>.....berry.....pepo.....pome <i>Stone</i>.....drupe <i>Dry</i>.....achenium.....utricle.....samara.....follicle.....legume.....capsule.....silicle.....pyxis <i>Aggregate</i>.....Accessory.....Multiple <i>No. of Cells</i> Odor Taste Pericarp <i>Texture</i>.....membranous.....coriaceous.....succulent	Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>	Coats <i>Surface</i> , <i>a. b. c.</i> <i>Color</i> <i>Texture</i> Appendages.....carnelle.....wing.....coma Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>
Folycarpus Polytalous.....rosaceous.....rhaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....anomalous <i>Duration</i>.....deciduous.....marcescent.....persistent <i>Color</i>.....calyx.....corolla <i>Surface</i>.....calyx.....ribbed.....nerved.....corolla.....throat	Stamens <i>Number</i>.....alternate <i>Insertion</i>.....hypogynous.....perigynous.....epigynous.....on a disk.....epipetalous <i>Length</i>.....long.....short.....didymous.....tetradynamous <i>Cohesion</i>.....adcliphous.....syngamous <i>Gen. Features</i>.....included.....exserted.....sessile.....connivent <i>Filament</i> <i>Form</i>.....capillary.....filiform <i>Surface</i> , <i>a. b. c.</i> <i>Attachment</i>.....innate.....adnate	<i>Number</i>.....berry.....pepo.....pome <i>Stone</i>.....drupe <i>Dry</i>.....achenium.....utricle.....samara.....follicle.....legume.....capsule.....silicle.....pyxis <i>Aggregate</i>.....Accessory.....Multiple <i>No. of Cells</i> Odor Taste Pericarp <i>Texture</i>.....membranous.....coriaceous.....succulent	Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>	Coats <i>Surface</i> , <i>a. b. c.</i> <i>Color</i> <i>Texture</i> Appendages.....carnelle.....wing.....coma Albumen <i>Quantity</i> <i>Texture</i> <i>Color</i> Embryo <i>Form</i>.....straight.....bent.....rolled.....Size.....outside.....inside <i>Radiole</i> <i>Direction</i> <i>Length</i> <i>Plumule</i> <i>Position</i> <i>Cotyledons</i> <i>Form</i> <i>Size</i> <i>Number</i> <i>Texture</i>

REMARKS :

ORDER :

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

No.

187

CHECK TABLET.

<p>GENERAL FEATURES.</p> <p>Habit. terrestrial aquatic parasitic aerial</p> <p>Duration annual biennial perennial</p> <p>Odor</p> <p>Juice</p> <p>Color. Taste Gen. Char.</p> <p>ROOT.</p> <p>Form conical fusiform napiform ramose solvent fibrous fasciculate aerenal</p>	<p>hollow flexuose geniculate tumid joint</p> <p>Surface a. b. c</p> <p>Color</p> <p>Height</p> <p>Underground rhizoma corn tuber bulb</p> <p>LEAVES.</p> <p>Kinds sessile p. etiolate stipulate exstipulate equitant</p> <p>Arrangement On the Stem cauline radical caucal</p> <p>Along the Axis alternate scattered rosulate fasciculate opposite verticillate</p> <p>Duration persistent deciduous</p> <p>Vernation</p> <p>Texture succulent coriaceous rugose S. A. D. A.</p> <p>Venation. straight parallel straight curved transverse</p> <p>Noted. 11. pinnate 12. lobed 13. 3-nerved 14. 5-nerved 15. radiate</p> <p>Form. Compound palmate foliate</p> <p>Simple, Leaflets <i>a</i> Gen. <i>Outline</i> 1 filiform 2 acicular 3 acerose 4 subulate 5 linear 6 lanceolate 7 oblanceolate</p>	<p>8 spatulate 9 oblong 10 elliptical 11 oval 12 orbate 13 obovate 14 cuculate 15 16 acuminate 17 acute 18 obtuse 19 truncate 20 retuse 21 emarginate 22 cordate 23 auriculate 24 sagittate 25 hastate 26 peltate 27 reniform 28 clasping 29 connate 30 decurrent</p> <p>Blade 1 acuminate 2 acute 3 obtuse 4 truncate 5 retuse 6 emarginate 7 cordate 8 auriculate 9 sagittate 10 hastate 11 peltate 12 reniform 13 clasping 14 connate 15 decurrent</p> <p>Apex 1 acuminate 2 acute 3 obtuse 4 truncate 5 retuse 6 emarginate 7 cordate 8 auriculate 9 sagittate 10 hastate 11 peltate 12 reniform 13 clasping 14 connate 15 decurrent</p>	<p>4 villous 5 silky 6 woolly 7 velvety 8 9 scabrous 10 hispid 11 acute 12 spinous 13 prickly</p> <p>Stipules 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Stalk 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Petiole 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Flower 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p>1 symmetrical 2 complete 3 perfect 4 regular 5 staminate 6 neutral</p> <p>Odor 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Stipules 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Petiole 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p> <p>Flower 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>
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.....charify Texture	Sepals, Petalsintrorsependulous Formsagittatepeltateawnedcordatelobedversatileextrorsependulous Formsagittatepeltateawnedcordatelobedin-hercedemerged	Surface, a. b. c. e.
Calyx, Corolla Gamopetalous Gamopetalous.....rotate.....cup-shaped.....campanulate.....funnel-form.....urn-shaped.....top-shalved.....tubular.....ligulate.....lobate.....galeate.....ringent.....personate.....spurred.....inflated.....saccate	.....sepals.....petals Form.....sepals.....spurred.....petals.....a. b. c. d. .....a. b. c. d.	.....sagittate.....peltate.....awned.....cordate.....lobed	.....free-central.....axillary.....axillary.....axillary	Gen. Character.....ribbed.....grooved.....furrowed
Stamens Number.....alternate.....opposite Insertion.....hypogynous.....epigynous.....gyna-andr- .....on a disk.....epipetalous Length.....short.....didymous.....tetradymous Cohesion.....syngonesious.....included.....exserted.....sessile.....connivent Filament Form.....capillary.....filiform Surface, a. b. c. e.	.....terminal.....lateral.....basilar Number Surface, a. b. c. e. Ovary Adhesion.....superior.....inferior Form Surface, a. b. c. e. Gen. Features	.....terminal.....lateral.....basilar Number Surface, a. b. c. e. Ovary Adhesion.....superior.....inferior Form Surface, a. b. c. e. Gen. Features	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	Attachment.....sessile.....luniculate
Pistil Kinds.....closed.....open Cohesion.....simple.....multiplex Number.....staminal Number.....terminal.....lateral.....sessile Form.....disoid.....lobed.....bilobed.....linear Style Form.....filiform.....brachial.....declinate Position.....terminal.....lateral Number Surface, a. b. c. e. Ovary Adhesion.....superior.....inferior Form Surface, a. b. c. e. Gen. Features	.....closed.....open Cohesion.....simple.....multiplex Number.....staminal Number.....terminal.....lateral.....sessile Form.....disoid.....lobed.....bilobed.....linear Style Form.....filiform.....brachial.....declinate Position.....terminal.....lateral Number Surface, a. b. c. e. Ovary Adhesion.....superior.....inferior Form Surface, a. b. c. e. Gen. Features	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	Coats Surface, a. b. c. e. Color Texture
Polysepal us Polypetalous.....passacous.....clavicornis.....curvophyllaceous.....papilionaceous.....anomalous Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Suturaco.....ribbed.....nerved.....corolla.....throat Texture	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	Appendages.....curvate.....scraphioid.....wing.....conel
Albumen Quantity Texture Color	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	Appendages.....curvate.....scraphioid.....wing.....conel
Embryo Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Direction Length Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	.....ascending.....pendulous.....suspended.....scapular.....circumscissile	Appendages.....curvate.....scraphioid.....wing.....conel

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

187

CHECK TABLE.

GENERAL FEATURES

- Habit.** terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 perennial
Odor

Juice

- Color**
Taste
Gen. Char.

ROOT.

- Form** conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

STEM.

- exogenous
 endogenous
Nature herbaceous
 sufrutescent
 fruticose
 arborescent
 arboreous

Dir. of Growth

- erect
 assurgent
 diffuse
 prostrate
 creeping
 climbing
 twining

Branching

- simple
 fasciate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Special Forms

- suckers
 stolons
 offsets
 runners
 tendrils
 thorns

Gen. Char.

- terete
 striate
 grooved
 angled.
 solid

- hollow
 fleshy
 geniculate
 canid joint
 oval
 round
 ovate
 obovate
 truncate

Surface

- a. b. c

Color

-

Height

-

Underground

- rhizomat

- cornu

- tuber

- bulb

LEAVES.

Kinds

- sessile
 petiolate
 stipulate
 exstipulate
 equitant
Arrangement
On the Stem.
 radical
 radical
 ramal
Along the Axis.—
 alternate
 scattered
 fasciculate
 opposite
 verticillate

Duration

- persistent
 deciduous
Vernation
Texture succulent
 rigid.
 s. onis
Venation.
 straight
 curved
 transverse

Notes.

- pinnate
 3-nerved
 5-nerved
 radiate

Form.

- Compound.
 pinnate
 palmate
 foliate

Simple, Loosely

Gen. Outline

- filiform
 acicular
 acrose
 subulate
 linear
 lanceolate
 oblanccolate

- yellow
 silky
 woolly
 velvety
Blf. Hairs
 spinous
 bipilose
 acute
 spinous
 prickly

Petiole

Form

- terete
 grooved
 compressed
 leaf-like
Kind
 margined
 clasping
 sheathing

Surface

- a. b. c

Stipules

Form

- Adhesion
 free
 adnate
 clasping
 membranous
 foliaceous
 setaceous
 persistent
 deciduous
BRACTS
 a. b. c
Form.
Character
 orbate
 orbate
 orbate
 spinous

Direction.

- erect
 spreading
 reflex

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Auxiliary

- solitary
 racemose
 corymb
 umbel
 panicle
 thyrsus
 spike
 spathe
 catkin
 head

FLOWER.

Kinds

- symmetrical
 complete
 perfect
 regular
 staminate
 pistillate
 neuter

Odor

Plan

- spinous
Stalk
Form
Length
Surface a. b. c

Length.

Kind

- marginied
 clasping
 sheathing
Surface a. b. c
Stipules
Form
 a. b. c
Adhesion
 free
 adnate
 clasping
 membranous
 foliaceous
 setaceous
 persistent
 deciduous
BRACTS
 a. b. c
Form.
Character
 orbate
 orbate
 orbate
 spinous

Direction.

- erect
 spreading
 reflex

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Auxiliary

- solitary
 racemose
 corymb
 umbel
 panicle
 thyrsus
 spike
 spathe
 catkin
 head

FLOWER.

Kinds

- symmetrical
 complete
 perfect
 regular
 staminate
 pistillate
 neuter

Odor

Plan

- spinous
Stalk
Form
Length
Surface a. b. c

Length.

Kind

- marginied
 clasping
 sheathing
Surface a. b. c
Stipules
Form
 a. b. c
Adhesion
 free
 adnate
 clasping
 membranous
 foliaceous
 setaceous
 persistent
 deciduous
BRACTS
 a. b. c
Form.
Character
 orbate
 orbate
 orbate
 spinous

Direction.

- erect
 spreading
 reflex

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Form.

- orbate
 orbate
 orbate
 spinous

Auxiliary

- solitary
 racemose
 corymb
 umbel
 panicle
 thyrsus
 spike
 spathe
 catkin
 head

FLOWER.

Kinds

C. chaffy Texture	included exserted	Surface, a. b. c.
Calyx, Corolla Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate bilabiate salicoid ringent personate spurred bifid acute	versatile inflexe extreme pendulous Form sagittate petalate awned cordate lobed No. of Cells, . . . Dehiscence lateral Pollen	Gen. Character ribbed grooved furrowed SEED Number oblong ovate ovoid Attachment sessile funiculate
Stamens Number Fusion alternate opposite Insertion hypogynous perigynous epigynous on a disk gynaeceum epipetalous Length long short didynamous tetradynamous adelphous syncynous Gen. Features included exserted sessile comitvent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imate adnate	closed open simple multiple on pedunc Stigma Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branchin declinate Position terminal lateral basilar Number Surface, a. b. c. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. Gen. Features	Color caruncle strigose wing coma Albumen quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Primula Number Position Cotyledons Form Size Number Texture
Booster truncate entire lobed cleft parted Pappus cup scales awns bristles Pappus us Polypetalous proaeccous lineaceous cruciferous Caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface sulcate ribbed nerved corolla throat Texture	Kind orthotropous campylotropous anatrochous amphitropous Dir. in Ovary erect ascending horizontal pendulous suspended FRUIT Dehiscence circumscissile loculicidal septicidal circumscissile Kinds fleshy berry pepo pome Stone drupe Dry acheneum utricle samara follicle legume capsule silique silicle pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Appendages Color Albumen quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Primula Number Position Cotyledons Form Size Number Texture

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY, DATE, 187

CHECK TABLE.

GENERAL FEATURES.

- Habit.** terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 perennial
Odor

- Juice**
Color
Taste
Gen. Char.
ROOT.

- Form** conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

- STEM.**

- Stature** exogenous
 endogenous
 herbaceous
 suffruticose
 fibrose-cent
 arbores-cent
 xerophorous

Dir. of Growth

- ascending
 decumbent
 divi-c
 prostrate
 creeping
 climbing
 twining
 simple
 furcate

- Branching**
 excurrent
 racemose
 paniculate
 corymbose
 diffuse
Special Forms

- stolons
 suckers
 offsets
 runners
 tendrils
 thorns
Gen. Char.

- terete
 striate
 grooved
 angled.
 solid

- hollow
 flexuose
 geniculate
 umbilical
 tumid joint
Surface

- a.
 b.
 c
Color
Height
Underground

- rhizomat
 com
 tuber
 bulb
LEAVES.

- Kinds** sessile
 p. ciliolate
 stipulate
 exstipulate
 equitant
Arrangemen
 On the Stem

- cauline
 radical
 runcal
Along the Axis-

- alternate
 scattered
 opposite
 fasciculate
 opposite
 verticillate.
Duration

Vernation

- persistent
 deciduous
Texture

- sacculent
 coriaceous
 rugose
 s. o. o. s.
Venation.

- straight
 curved
 transverse
Netted.

- pinnate
 3-nerved
 5-nerved
 radiate
Form.

- compound.
 palmate
 pinnate
 foliate
Simple, Leaflets

- villous
 silky
 woolly
 velvety
Stip hairs

- scabrous
 hispid
 acute
 spinous
 prickly
Petiole

- Form** terete
 grooved
 compressed
 leaf-like
Kind

- margined
 clasping
 sheathing
Surface . a . b . c
Length

- free
Adhesia

- adnate
 clasping
Gen. Character

BRACTS

- membranous
 foliaceous
 spinous
 scabrous
Duration

- persistent
 deciduous
 fugacious
Form

- solitary
 cymic
 fasciculate
 glomerate
 verticillate
Axillary

- solitary
 racemic
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head
FLOWER.

- symmetrical
 complete
 pericarp
 regular
 stipulate
 pistillate
 neuter

- Odor**
Flan mucros
Stalk

- Form** pedicel
Length
Surface . a . b . c
Length

- beight
Surface . a . b . c
Form

- rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid.

- Scales**
No. of rows
Number.
Direction.

- appressed
 erect
 spreading
 reflexed
Form . a . b . c
Surface . a . b . c
Form

- pedicellous
 tomentous
 scabrous
 spinous
 rigid
 charty.
INFLUENCE

- Receptacle**

- urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical
 Disk.
 by pogynous
 perigynous
 epigynous
Surface

- naked
 smooth
 punctate
 alutolate
 bristly

chaffy Texture	versatile introse extrose pendulous Form	included conserted free-central axillary parietal	Surface, a, b, c, .
Calyx. Corolla homologous Gamopetalous	cap-shaped tunnel-form funnel-form urn-shaped top-shaped tubular lobulate bilabiate galeate ringent perianate spurred infracted saccate	capitate petals Form a, b, c, . d spurred petals a, b, c, . d	Gen. Character ribbed grooved furrowed SEED Number Form oblong sessile ovoid
Aestivation	valvate induplicate imbriate convolute plicata supervolv.	And orthotropous campylotropous amphitropous circel	Attachment sessile funiculate Coatse Surface, a, b, c, .
Stamens	Position alternate opposite Insertion hypogynous perigynous epigynous gynandrous on a disk epitaxious	Number Stigma Position terminal lateral sessile Form discoid lobose lobed filiform linear	Appendages anil caruncle stipitate wing coma Albumen quantity Texture Color
Border truncate entire lobed cleft bearded Pappus com scales awn bristles	Length long short didymous (cret) didymous Cocoon adipheous succesious	Clone drupe Dry achonium utricle samara follicle legume capsule silique silicle pyxis	Embryo Form straight beak rolled Size Position as to Albumen inside outside radicle Direction Length Filament Position Cotyledons Form
Pappus us Polypetalus Polypetalous inascuous Bisaccous curcaterous erythrophylarous papilionaceous anomalous	Gen. Features included exserted convivent Filament Form capillary filiform	Aggregata Accessory Multiple No. of Cells Odor Taste Percarp Texture membranous coriaceous succulent	Size Number Texture
Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat	Position terminal lateral basilar Number Surface, a, b, c, . Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a, b, c, . Gen. Features		
Texture	Surface, a, b, c, . innate adnate		

REMARKS:

ORDER:

Name, } SCIENTIFIC,
 } COMMON,
LOCALITY,

No.

DATE,

187

CHECK TABLE.

GENERAL FEATURES.	8	spatulate	4	villous	4	symmetrical
Habit.	9	oblong	5	wooly	5	complete
terrestrial	10	oblong	6	wooly	6	perfect
aquatic	11	oval	7	velvety	7	regular
parasitic	12	ovate	8	Saif Hairs	8	staminate
arid	13	obovate	1	scabrous	1	neutral
Duration	14	cuneate	2	bisoid	2	
annual	15	obovate	3	caliculate	3	
bimial	16	cuneate	4	spinous	4	
perennial	17	acuminate	5	prickly	5	
Odor	<i>b</i>	<i>Base</i>				Odor Plan
	1	tuber	1		1	
	2	bulb	2		2	
Juice	3	obfusc	3	Petiole Form	3	
Color.	4	obfusc	4	terete	4	
Taste.	5	retuse	5	grooved	5	
Gen. Char.	6	sessile	6	compressed	6	
Form	7	petiolate	7	leaf-like	7	
conical	8	stipulate	8	Kind	8	
fusiform	9	exstipulate	9	margined	9	
napiform	10	equitant	10	clashing	10	
roseose	11		11	sheathing	11	
solvent	12	Arrangement	12	<i>Surface</i> <i>a. b. c. d.</i>	12	
fibrous	13	On the Stom.	13	<i>Length</i>	13	
fasciculate	14	radical	14	Stipules Form	14	
reticulate	15	ramal	15	<i>a. b. c. d.</i>	15	
aerial	16	alternat.	16	adhesion	16	
Gen. Char.	17	scattered	17	free	17	
STEM.	18	resulate	1	adaxial	1	
exogenous	19	fasciculate	2	clashing	2	
endogenous	20	opposite	3	membranous	3	
Nature	1	verticillate	4	tollucous	4	
herbaceous	2	persistent	5	spinous	5	
suffruticose	3	deciduous	6	retuse	6	
fruticose	4	Duration	7	obcordate	7	
arborescent	5	persistent	8	claspulate	8	
Dir. of Growth	6	deciduous	9	aristate	9	
assurgent	7	Texture	10	acuminate	10	
decumbent	8	succulent	1	acute	1	
diffruse	9	contractous	2	obtusate	2	
prostrate	10	ruggose	3	truncate	3	
creeping	11	S. a. c. d.	4	retuse	4	
climbing	12	S. a. c. d.	5	emarginate	5	
twining	13	parallel	6	obcordate	6	
Branching	14	straight	7	claspulate	7	
simple	15	curved	8	aristate	8	
furcate	16	transverse	9	<i>Meridia</i>	9	
racemose	17	Noted.	10	revolute	10	
corymbose	18	pinuate	11	entire	11	
deliquescent	19	3-nerved	12	dentate	12	
suckers	20	5-nerved	13	crenate	13	
runners	1	radiate	14	repand	14	
tendrils	2	Form.	15	sinuate	15	
thorns	3	Compound.	16	incised	16	
Gen. Char.	4	pinuate	17	fringed	17	
striate	5	foliote	18	cliliate	18	
grooved	6	Surface	19	lobed	19	
angled.	7	No hairs	20	scerrulate	20	
solid	8	1	1	lobed	1	
	9	2	2	scerrulate	2	
	10	3	3	scerrulate	3	
	11	4	4	scerrulate	4	
	12	5	5	scerrulate	5	
	13	6	6	scerrulate	6	
	14	7	7	scerrulate	7	
	15	8	8	scerrulate	8	
	16	9	9	scerrulate	9	
	17	10	10	scerrulate	10	
	18	11	11	scerrulate	11	
	19	12	12	scerrulate	12	
	20	13	13	scerrulate	13	
	1	14	14	scerrulate	14	
	2	15	15	scerrulate	15	
	3	16	16	scerrulate	16	
	4	17	17	scerrulate	17	
	5	18	18	scerrulate	18	
	6	19	19	scerrulate	19	
	7	20	20	scerrulate	20	

FLOWER
Kinds

.....chaffy Texture	.....versatile furfuraceous extirpate pendulous Form	.....included exserted	.....Surface, <i>a. b. c.</i> Color
Calyx-Corolla.....gamopetalous.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....silver-form.....urn-shaped.....top-shalved.....lobular.....ligulate.....lobate.....galeate.....ringent.....perianthate.....spurred.....inflated.....saccate	.....sepalate.....petalate.....Form.....a. b. c. d. .....spurred.....petals.....a. b. c. d.	.....Flacination.....Free-central.....axillary.....pericarpal	.....Gen. Character.....ribbed.....furrowed
Stamens.....Number.....Location.....alternate.....opposite.....insetion.....hypogynous.....epigynous.....axillary.....on a disk.....epicalous.....Length.....long.....short.....didynamous.....tetradynamous.....Cohesion.....adelphous.....syngonesis	.....No. of Cells.....Dehiscence.....lateral.....Pollen.....Echlinia.....Pistil.....Kinds.....closed.....open.....simple.....imbricate.....complanat.....Stigma.....Fovation.....terminal.....lateral.....sessile.....Form.....discoid.....lobed.....filiform.....linear.....Clylo.....Povine.....filiform.....branching.....declinate	.....Kind.....orthotropous.....campylotropous.....anatropous.....amphitropous	.....SEED.....Number.....Form.....oblong.....ovate.....ovoid
Border.....entrate.....truncate.....lobed.....cleft.....pariel.....Pappus.....cup.....scales.....awns.....bristles	.....Aestivation.....valvate.....induplicate.....reduplicate.....imbricate.....contortate.....plicate.....superovul	.....Dir. in Ovary.....erect.....ascending.....horizontal.....pendulous.....suspended	.....Attachment.....sessile.....funiculate
Polysepal us.....Polyperalous.....filicaceous.....cruciferous.....curryphyllaceous.....papilionaceous.....anomalous	.....Stamens.....Location.....alternate.....opposite.....insetion.....hypogynous.....epigynous.....axillary.....on a disk.....epicalous.....Length.....long.....short.....didynamous.....tetradynamous.....Cohesion.....adelphous.....syngonesis	.....Dehiscence.....septifidat.....foetidat.....circumscissile	.....Appendages.....anfil.....caruncle.....strophilote.....wing.....ovant
Duraction.....deciduous.....marcescent.....persistent.....Color.....calyx.....corolla.....Sufface.....calyx.....ribbed.....nerved.....corolla.....throat	.....Gen. Features.....included.....sessile.....connivent.....Filament.....Form.....capillary.....filiform.....Surface, <i>a. b. c. d.</i> .....Anchor.....imbricate	.....Kinds.....berry.....pepo.....pome.....Stono.....drupe.....Dry.....achnium.....utricle.....samara.....follicle.....hermie.....capsule.....silique.....siliqua.....pyxis	.....Embryo.....Form.....straight.....bent.....rolled.....Size.....outside.....inside.....Radicle.....Length.....Plumule.....Number.....Position.....Coryleous.....Form
TextureSurface, <i>a. b. c. d.</i>Gen. FeaturesAggragateAccessoryMultipleNo. of CellsOdorTastePericarpTextureSizeNumberTexture

REMARKS:

ORDER:

No.

Name, } SCIENTIFIC,
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LOCALITY,

DATE,

187.

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 perennial

Odor

Juice
 Color
 Taste
 Gen Char.
 Gen Char.

Form

root
 stipiform
 napiform
 upiform
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

STEM.

exogenous
 endogenous
nature herbaceous
 suffruticose
 suffruticose
 fruticose
 arborescent
 Dir. of Growth
 erect
 ascending
 decumbent
 drifted
 prostrate
 creeping
 climbing
 twining

Branching

simple
 simple
 erect
 racemose
 pinnulate
 paniculate
 umbelliferous
 racemose
 diffuse
 dichotomous
SpecialForms
 stemmers
 stolon
 offsets
 runcus
 tendrils
 thorns

Gen. Char.

terete
 striate
 grooved
 angled
 solid

8 spatulate
9 oblong
10 elliptical
11 oval
12 round
13 ovate
14 obovate
15 cuneate
16

Surface

a
 b
 c

Height

Underground

tuber
 bulb
 rhizoma
 corn
 caudex
 stem
 rhizome
 bulb

LEAVES.

Kinds
 pinnate
 simple
 spatulate
 equitant
 linear
 cordate
 auriculate
 sagittate
 hastate
 peltate
 reniform
 clasping
 connate
 decurrent

Arrangement On the Stem.

Along the Axis
 alternate
 scattered
 rosulate
 fasciculate
 opposite
 verticillate

Duration

perennial
 deciduous
 herbaceous
 texture
 succulent
 succulent
 rugose
 sinuous

Vernation

retrograde
 transverse
 netted
 pinnate
 3-nerved
 5-nerved
 trifidate

Form.

Compound
 pinnate
 palmate
 foliate

Simple, Leaflets

Gen. Outline
 1 glabrous
 2 glaucous
 3 punctate
 4 acicular
 5 verrucose
 acrose
 subulate
 lanceolate
 linear
 puberulent
 pilosus
 pubescent

4 villous
5 silky
6 woolly
7 velvety
8

Cliff Hair

 scabrous
 hispid
 spinous
 prickly

Petiole Form

 terete
 grooved
 compressed
 leaf-like
 5-angled
 clasping
 sheathing

Stipules

Form
 Addition
 acutely
 clasping
 membranous
 lobate
 spinous
 setaceous
 persistent
 deciduous
 fugacious

BRACTS

Form
 a
 b
 c
 d
 e
 f
 g
 h
 i
 j

Gen. Character

 leafy
 glaucous
 membranous
 spinous
 setaceous
 persistent
 deciduous
 fugacious

Duration

perennial
 deciduous
 fugacious

Terminal

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

Axillary

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

INFLORES.

Gen. Character
 leafy
 petaloidous
 lobate
 spinous
 spinous
 fleshy

Receptacle

Form
 urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical

Terminal

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

Axillary

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

FLOWER.

Kinds

symmetrical
 connate
 perfect
 regular
 stellate
 planate
 neutral

Odor

Plan
 Stalk
 Receptacle
 Surface
 Podiel

Length

Podiel
 Scope
 Surface
 Involute
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid

Scales

No. of rows
 Number
 Direction
 erect
 spread
 reflexed

Form

 a
 b
 c
 d
 e
 f
 g
 h
 i
 j

Receptacle

Form
 urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical

Terminal

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

Axillary

singular
 racemose
 corymb
 umbel
 paniculate
 thyrsus
 spike
 spadix
 catkin
 head

FLOWER.

Kinds

.....chaffy Texture	.....Sopalis, Petals appressed spreading reflexed	.....versatile introrse exserte pendulous Form	.....included exserted	.....Surface, a. b. c. e.
Calyx, Corolla	.....sepals petals	.....sagittate peltate awned cordate lobed	Flacination.....free-central.....axillary.....parietal	Con. Character.....ribbed.....furrowed
Gamopetalous	.....Form	.....No. of Cells, Dehiscence	Ovules.....Kind	SEED Number
.....rotate	.....a. b. c. d.	.....lateral	.....orthotropous.....campylotropous.....anatropous.....obovate.....ovoid	Form.....oblong.....ovate
.....cup-shaped	.....Spurred	Pollen	Dir. in Ovary	Attachment.....sessile.....funiculate
.....campanulate	.....petals	Pellinia	.....ascending.....horizontal.....pendulous	Coats Surface, a. b. c. d. e.
.....funnel-form	.....a. b. c. d.	Pistil.....Kinds	.....Number	Appendages.....sessile.....capitate
.....silver-form	.....a. b. c. d.	.....closed.....open	Dehiscence.....sepaloid.....petaloid.....circumscissile	.....caruncle.....wing.....coma
.....top-shaped	Aestivation	.....convolute.....supervolv. h.	Kinds	Albumen.....quantity.....Texture.....Color
.....tubular	.....open	.....Stamens	.....Ectro.....Berry.....Pepo.....Bane	Embryo Form.....Slight.....hairy.....rolled
.....ligulate	.....valvate	.....Number	.....Stigma	.....Position as to Albumen.....outside.....inside
.....lobate	.....reduplicate	.....Position	.....terminal.....lateral.....sessile	Direction.....Length
.....gibbent	.....induplicate	.....Cobasion	.....multiple	Formule.....Number.....Position
.....personate	.....imbricate	.....Number	.....compound	Accessory.....Multiple
.....spurred	.....convolute	.....Cylind	.....Stigma	No. of Cells
.....indented	.....plicata	.....Position	.....terminal.....lateral.....sessile	Odor Taste Percarp.....Texture
.....secate	.....supervolv. h.	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	.....membranous.....coriaceous.....succulent
Border	.....Stamens	.....Form	.....Stigma	
.....tubulate	.....Number	.....Form	.....terminal.....lateral.....sessile	
.....entire	.....Position	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....lobed	.....alternate	.....Length	.....Stigma	
.....cleft	.....opposite	.....Form	.....terminal.....lateral.....sessile	
Pappus	.....Location	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....cup	.....hypogynous	.....Length	.....Stigma	
.....rays	.....perigynous	.....Form	.....terminal.....lateral.....sessile	
.....bristles	.....epigynous	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
Polysepal us	.....Sepals	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
Elyptelobus	.....Petals	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....rosaceous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....cruciferous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....curculionaceous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....papilionaceous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....anomalous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
Duration	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....deciduous	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....marcescent	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....persistent	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
Color	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....calyx	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....corolla	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
Surface	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....calyx	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....ribbed	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....nerved	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....corolla	.....Form	.....Form	.....discoid.....obovate.....lobed.....filiform.....linear	
.....throatFormFormdiscoidobovatelobedfiliformlinear	
TextureFormFormdiscoidobovatelobedfiliformlinear	

REMARKS:

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LOCALITY,

DATE, 187

CHECK TABLE.

GENERAL FEATURES.	hollow	8 spatulate	4 villous	symmetrical
Habit.	flexuose	9 oblong	5 silky	complete
terrestrial	geniculate	10 elliptical	6 woolly	perfect
aquatic	tumid joint	11 oval	7 velvety	regular
1 aquatic	Surface	12 round	Stiff Hairs	staminate
2 aerial	a. b. c.	13 ovate	1 hispid	spinulate
3 annual	Color	14 obovate	2 sericeous	neutral
4 biennial	Height	15 cuneate	3 acute	
5 perennial	Underground	16 Base	4 spinous	
	1 stem	Form	5 prickly	
	2 tuber	a acuminat	Petiole	merous
	3 bulb	1 acute	Form	
Juice	LEAVES.	2 obtuse	Length	rodinate
Color	Kinds	3 truncate	Surface	a. b. c.
Taste	sessile	4 retuse	Teasel	
Gen. Char.	p. obtolote	5 emarginate	Length	Scapo
ROOT.	stipulate	6 cordate	Height	
Form	exstipulate	7 auriculate	Surface	a. b. c.
conical	equitant	8 serrulate	Form	rod-shaped
fusiform	scattered	9 hastate	Length	hemispherical
nupiform	rosulate	10 lobate	Stipules	heart-shaped
ramose	fasciculate	11 peltate	Form	cylindrical
solvent	opposite	12 reniform	Kind	conical
fibrous	verticillate	13 clasping	Surface	ovoid.
fasciculate	persistent	14 cordate	Length	
aerial	deciduous	15 decurrent	Stipules	
	Along the Axis—	16 Apex	a. b. c. d.	
	1 alternate.	1 acuminate	Abhecia	
	2 scattered	2 acate	Form	
	3 fasciculate	3 obtuse	Gen. Character	
	4 opposite	4 truncate	membranous	
	5 verticillate	5 retuse	foliateous	
Duration	1 persistent	6 emarginate	Duration	erect
1 deciduous	2 deciduous	7 obovate	1 persistent	spreading
		8 cuspidate	2 deciduous	reflexed
Vernation	1 linear	9 mucronate	3 deciduous	
		10 aristate	4 deciduous	
Texture	1 succulent	11 Margin	BRACTS	
2 coriaceous	2 succulent	a revolute	Form	
3 rugose	3 rugose	2 entire	a. b. c. d.	
4 8 or 10	4 8 or 10	3 serrate	Surface	a. b. c.
Venation.	Parallel.	4 dentate	retrograde	
1 straight	1 straight	5 truncate	obtusous	
2 curved	2 curved	6 repand	petaloidous	
3 transverse	3 transverse	7 sinuate	membranous	
		8 incised	spinous	
		9 fringed		
		10 ciliate	Terminal	
		11 serrulate	Receptacle	
		12 lobed	Form	
		13 cleft	1 solitary	urn-shaped
		14 pectinate	2 cymb	concave
		15 pectinate	3 fasciculate	flat
		16 lyrate	4 glomerule	cylindrical
		17 runcinate	5 verticillaster	elongated
		18 divided		conical
Form.	Compound.	19 Surface	Axillary	convex
1 palmate	1 palmate	a 10 hairs	Form	hemispherical
2 foliate	2 foliate	1 glabrous	solitary	
Simple, Leaflets	Gen., Outline	2 glaucous	1 corymb	Disk
1 filiform	1 filiform	3 punctate	2 umbel	hypogynous
2 actular	2 actular	4 verrucose	3 panicle	perigynous
3 acrosc	3 acrosc	5 Soft Hairs	4 spike	epigynous
4 subulate	4 subulate	1 puberulent	5 catten	marked
5 linear	5 linear	2 pilosus	6 head	smooth
6 lanceolate	6 lanceolate	3 FLOWER		punctate
7 oblanccolate	7 oblanccolate	1 pubescent	Kinds	alveolate
				bristly

Toxino	chaffy	Sepals, Totals	versatile	included	Surface , a, b, c
		appressed	introrse	exserted	Color
Calyx-Corolla	spread	pendulous	extrorse	free-central	Gen. Character
Gamopetalous	reflexed	<i>Form</i>	sessile	axillary	grooved
	petals		petiole	parietal	furrowed
	sepal		valvate	Ovules	SEED
	sepal		<i>shaped</i>	orthotropous	Number
	d.		<i>lobed</i>	campylotropous	Form
	sturred	No. of Cells	Dehiscent	axistropous	oblong
	petals		lateral	amphitropous	ovoid
	c.	Folien		Dir. in Ovary	
	d.			ascending	
Aestivation	open	Folium		forming	
	valvate			pendulous	
	induplicate	Pistil Kinds	closed	suspended	
	imbricate		open		
	contorted	Cobolium	simple		
	convolute		multiple		
	pliate	Number	compeund		
	supervulvate				
Stamens		Stigma			
Number	position	Fraction			
	alternate	terminal			
	opposite	lateral			
Insertion	hypogynous	sessile			
	perigynous	Form			
	epigynous	discoid			
	gynaedrous	lobed			
	on a disk	foliform			
	epipetalous	linear			
		Cycle			
Length	long	Form			
	short	didynamous			
	erect	tetradynamous			
	divinuous	filiform			
Cohesion	adelfiphous	declinate			
	syngenesious	Position			
Gen. Features	included	terminal			
	exserted	lateral			
	sessile	basilar			
	connivent	Number			
		Surface , a, b, c			
Filament		Ovary			
Form	capillary	Adhesion			
	filiform	superior			
		half-superior			
		inferior			
Surface , a, b, c		No. of Cells			
Anther		Form			
Attachment	imbrate	Surface , a, b, c			
	adnate	Gen. Features			
Texture					

REMARKS:

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LOCALITY,

No.

DATE,

187

CHECK TABLET.

<p>GENERAL FEATURES. Habit.....terrestrialaquaticparasiticaerial Duration.....annualbiennialperennial Odor..... Juice.....</p>	<p>.....hollowflexuosegeminatehumid joint Surfacea. b. c. Colorovatecuneate Height Undergroundtuberrhizom.bulb LEAVES. Kinds.....sessilepetiolatestipulateestipulateequitant Arrangement On the Stem.....caulineradicalterminal Along the Axis.....alternatescatteredoppositefasciculateoppositeverticillate Durationpersistentdeciduous Vernation</p>	<p>.....ovulessaxawoolyvelvety Stip. Hairsscarcousbilobedspinesprickly Petiole Form.....teretecompressedleaf-like Kindmarginedclaspingsheathing Surface a. b. c. d. Length Stipules Form.....bistaccouscup-shapedhemisphericalbeak-shapedcylindricalovoid</p>	<p>.....symmetricalcompleteperfectregularstrobilatebilobateneutralneutralmicrous Odor Plan Stalk Form.....recumbent Length.....a. b. c. d. Widthcompressedleaf-like HeightScapo Surface a. b. c. d. Formbistaccouscup-shapedhemisphericalbeak-shapedcylindricalovoid</p>	<p>Gen. Char.exogenousendogenous Mature.....herbaceoussuffruticosefruticosearborescentarborescent Dir. of Growth.....decumbentdiffuseprostratecreepingclimbingtwiningsimplesimplefurcateexcurrentracemosepaniculatecorymbosediffusedeliquescent Special Formsrhizom.sclerosobscurerunnerstendrilsthorns Gen. Char.teretestriategroovedangled.solid</p>	<p>Dir. of Growtherectdiffuseprostratecreepingclimbingtwiningsimplesimplefurcateexcurrentracemosepaniculatecorymbosediffusedeliquescent Special Formsrhizom.sclerosobscurerunnerstendrilsthorns Gen. Char.teretestriategroovedangled.solid</p>	<p>Formpinuate3-nerved5-nervedradiate Form.pinnatepinnatelobate Compound.pinnatepalmatelobate Simple, Leaflets Gen, Outlinefiliformacicularacrosesubulatelinearimbecillateoblanccoluate</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>	<p>Terminalsolitarycymicfascicleglomerulevertical AXILLARYsolitaryracemecorymbumbelpaniclethyrsusspikespadixcatkinhead FLOWER. Kinds.....pubescent</p>
---	--	---	--	---	---	--	---	---	---	---	---	---	---	---

cladry texture	Sopals, Petals appressed ascending reflexed	versatile introrse pendulous	included exserted	Surface, <i>a. b. c.</i>
Calyx-Corolla Camosepalous Camptolobous	sepals petals Form	sterile Form pelate awned cordate <i>lobed</i>	Flaoation axillary parietal	Color Gen. Character ribbed grooved imbricated
saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped	sepals petals spurred petals	<i>lobed</i> <i>Dehiscence</i> falcid	SEED Number	
tubular ligulate lobate globose ringent personate spurred inlaid succate	Form	<i>Dehiscence</i>	Form oblong ovate ovoid	
Andr	Aestivation open induplicate replicate contorted convolute plicata superior	Pollen Pollinia	Attachment in the funiculate	
Stamens Number	Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Coats Surface, <i>a. b. c.</i>	
parted cleit Pappus cup scales awn bristles	Stamens Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pollen Pollinia	Color Texture	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Appendages anther strobile antheroma	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pollen Pollinia	Albumen Quantity Texture Color	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Embryo Form straight bent rolled	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pollen Pollinia	Size outside inside	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Direction Length	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pollen Pollinia	Fluamide Number Position	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Coyletans Form	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pollen Pollinia	Size Number Texture	
Pappus cup scales awn bristles	Stamens Number Position opposite alternate Inserta hypogynous perigynous epigynous gynandrous on a disk epipetalous	Pistil Kinds Conception simple triple compound	Texture membranous coriaceous succulent	

REMARKS:

ORDER: No.

Name, (SCIENTIFIC,

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DATE,

CHECK TABLE.

GENERAL FEATURES.	hollow	4 spatulate	4 villous	4 symmetrical
Habit.	flexuose	5 oblong	5 silky	5 complete
terrestrial	geminate	6 elliptical	6 woolly	6 pericet
aquatic	umbel joint	7 oval	7 velvety	7 regular
parasitic	round	8 round	8	8 staminate
aerial	ovate	13 ovate	13 scarious	13 plistilate
Duration	obovate	14 obovate	14 hispid	14 neutral
annual	cuneate	2 cuneate	2	2
biennial	Base	3	3 stipulous	3
perennial	acuminate	5	5 pritsky	5
Juice	acetic	2	2	2 microns
color	obtusc	3	3	3
LEAVES.	truncate	4	4	4
Kinds	retuse	4	4	4
sessile	emarginate	6	6	6
stipulate	cordate	7	7	7
exspatulate	auriculate	8	8	8
equitant	sagittate	9	9	9
marginated	hastate	10	10	10
Arrangement	peltate	11	11	11
On the Stem.	reniform	11	11	11
cauline	claspimg	13	13	13
radical	comate	14	14	14
ramal	decurrent	15	15	15
Along the Axis.	alternate	16	16	16
scattered	1	1	1	1
rose-like	2	2	2	2
fasciculate	3	3	3	3
opposite	4	4	4	4
verticillate	5	5	5	5
Duration	persistent	6	6	6
deciduous	7	7	7	7
Vernation	obscure	8	8	8
texture	conspicuous	9	9	9
rigid	10	10	10	10
sericeous	11	11	11	11
rigid	12	12	12	12
sericeous	13	13	13	13
sericeous	14	14	14	14
sericeous	15	15	15	15
sericeous	16	16	16	16
sericeous	17	17	17	17
sericeous	18	18	18	18
sericeous	19	19	19	19
sericeous	20	20	20	20
sericeous	21	21	21	21
sericeous	22	22	22	22
sericeous	23	23	23	23
sericeous	24	24	24	24
sericeous	25	25	25	25
sericeous	26	26	26	26
sericeous	27	27	27	27
sericeous	28	28	28	28
sericeous	29	29	29	29
sericeous	30	30	30	30
sericeous	31	31	31	31
sericeous	32	32	32	32
sericeous	33	33	33	33
sericeous	34	34	34	34
sericeous	35	35	35	35
sericeous	36	36	36	36
sericeous	37	37	37	37
sericeous	38	38	38	38
sericeous	39	39	39	39
sericeous	40	40	40	40
sericeous	41	41	41	41
sericeous	42	42	42	42
sericeous	43	43	43	43
sericeous	44	44	44	44
sericeous	45	45	45	45
sericeous	46	46	46	46
sericeous	47	47	47	47
sericeous	48	48	48	48
sericeous	49	49	49	49
sericeous	50	50	50	50
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sericeous	52	52	52	52
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sericeous	78	78	78	78
sericeous	79	79	79	79
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sericeous	81	81	81	81
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sericeous	87	87	87	87
sericeous	88	88	88	88
sericeous	89	89	89	89
sericeous	90	90	90	90
sericeous	91	91	91	91
sericeous	92	92	92	92
sericeous	93	93	93	93
sericeous	94	94	94	94
sericeous	95	95	95	95
sericeous	96	96	96	96
sericeous	97	97	97	97
sericeous	98	98	98	98
sericeous	99	99	99	99
sericeous	100	100	100	100

.....chaffy Texture	Sepals, Petals.....appressed.....spreading.....reflexed.....scapels.....petals Form.....scapels.....c. d. .....b. c. d. .....spurred.....petals.....b. c. d.	.....versatile.....infrorse.....extrorse.....pendulous Form.....sagittate.....peltate.....awned.....cordate <i>divided</i> No. of Cells <i>Delimitation</i>.....lateral Folien	.....included.....exserted Fluorination.....pre-central.....axillary.....parietal.....furrowed	.....Color Gen. Character.....ribbed.....grooved.....furrowed
Calyx, Corolla Camisopalous Gamopetalous.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....limbed-form.....silver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....bilabiate.....galeate.....ringent.....personate.....spurred.....inflated.....saccate	Aestivation.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....phreat.....superst. 3	.....closed.....open.....shiple.....multiple.....compound Stigma Number.....terminal.....lateral.....sessile Form.....globose.....lobed.....filiform.....linear	Embryo Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Radicle Direction Length	.....Color Texture Color Form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Radicle Direction Length
Stamens Number.....position.....opposite.....incurved.....hypogynous.....perigynous.....epigynous.....gynaeceum.....on a disk.....epipetalous	Pistil Kinds.....open.....closed.....shiple.....multiple.....compound Stigma Number.....terminal.....lateral.....sessile Form.....globose.....lobed.....filiform.....linear	.....terminal.....lateral.....basilar Number Surface, a. b. c. Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form	Aggregato.....No. of Cells Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture	.....Flumula Number Position.....Corymbons Form Size Number Texture
Style Form.....didynamous.....tetradynamous.....adcliphous.....synchronous.....included.....sessile.....connivent Filament Form.....capillary.....filiform	.....linear Style Form.....filiform.....branching.....declinate Position.....terminal.....lateral.....basilar Number Surface, a. b. c. Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form	.....b. c. .....membranous.....coriaceous.....succulent Surface, b. c. Gen. Features	.....No. of Cells Odor Taste Pericarp Texture	.....No. of Cells Odor Taste Pericarp Texture
Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Surface.....calyx.....ribbed.....nerved.....corolla.....throat	Attachment.....limbate.....adnate	.....b. c. .....membranous.....coriaceous.....succulent Surface, b. c. Gen. Features	.....No. of Cells Odor Taste Pericarp Texture	.....No. of Cells Odor Taste Pericarp Texture

REMARKS:

ORDER: No.

Name, } SCIENTIFIC,
 } COMMON,
LOCALITY,

DATE, 187.....

CHECK TABLE.

GENERAL FEATURES	hollow	9	spatulate	1	symmetrical
Habit.	flexuose	10	oblong	5	complete
terrestrial	geniculate	10	climacoid	6	perfect
aquatic	tumid joint	11	ovate	7	1-squar.
parasitic	Surface	12	round	8	staminate
erial	a. b. c.	13	ovate	8	pistillate
Duration	Color	14	obovate	9	neutral
annual	Height	15	emucate	10	
biennial	Underground	16	Base	11	Odor
per-annual	corn	b	acuminate	12	.....meters
	tuber	1	acule	1	Stalk
	bulb	2	obtus	2	Peduncle
	LEAVES.	3	truncate	3	Length
	Kinds	4	retuse	4	Surface. a. b. c.
	sessile	5	emarginate	5	Pedice.
	p. petiolate	6	cordate	6	Length.
	stipulate	7	auriculate	7	Height. a. b. c.
	exstipulate	8	ligulate	8	Involute
	equitant	9	hastate	9	Form
	Arrangement	10	pedate	10	.....rosaceous
	On the Stem.	11	reniform	11	.....hemispherical
	cauline	12	clausping	12	.....leaf-shaped
	radical	13	emucate	13	.....cylindrical
	ramical	14	decurrate	14	.....conical
	Along the Axis.	15	.....	15	.....ovoid.
	alternate.	16	.....	16	
	scattered	C	Apex	17	
	posulic	1	at ultimate	17	
	fasciculate	2	acute	18	
	opposite	3	obtus	19	
	verticillate	4	truncate	20	
	Duration	5	retuse	21	
	per-sistent	6	emarginate	22	
	deciduous	7	obcordate	23	
	Vernation	8	retusulate	24	
	.....	9	aristate	25	
	Texture	10	.....	26	
	succulent	d	Margin	27	
	coriaceous	1	reticulate	27	
	rigid	2	entire	28	
	.....	3	serrate	29	
	.....	4	dentate	30	
	.....	5	crenate	31	
	.....	6	repand	32	
	.....	7	sinuate	33	
	.....	8	incised	34	
	.....	9	fringed	35	
	.....	10	cliate	36	
	.....	11	serrulate	37	
	.....	12	lobed	38	
	.....	13	cleft	39	
	.....	14	punct	40	
	.....	15	pectinate	41	
	.....	16	lyrate	42	
	.....	17	runcinate	43	
	.....	18	divided	44	
	.....	19	.....	45	
	Form.	Surface	.....	46	
	pinnate	No Hairs	.....	47	
	palinate	1	glabrous	1	
	lobate	2	glaucous	2	
	Simple, Joints	3	punctate	3	
	Gen., Outline	4	verrucose	4	
	5	5	
	6	6	
	7	7	
	8	8	
	9	9	
	10	10	
	11	11	
	12	12	
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	99	99	
	100	100	

.....chaffysessileversatileincludedSurface, <i>a. b. c.</i>
Textureincludedintorseasserted	Color
Calyx-Corolla	.....spread	.....extorse	Ploerivation	Gen. Character
Campanuloid	.....reflexed	.....pendulous	.....free-central	.....ribbed
.....cup-shaped	.....sepals	.....sagittate	.....axillary	.....grooved
.....tubular	.....petals	.....petalate	.....parietal	.....furrowed
.....rotate	Form	.....awned	Ovules	SEED
.....saucer-shaped	.....a. b. c. d.	.....cordate	.....Kind	Number
.....campanulate	.....spurred	<i>Induced</i>	.....orthotropous	.....oblong
.....tunnel-form	.....petals	<i>Belonging</i>	.....campylotropous	.....ovate
.....salver-form	.....a. b. c. d.	<i>Belonging</i>	.....anathropous	.....ovoid
.....urn-shaped	Pollea	.....lateral	.....Dir. in Ovary	Attachment
.....tubular	Activation	.....terminal	.....erect	.....sessile
.....ligulate	.....open	.....lateral	.....ascending	.....funiculate
.....lobate	.....valvate	Pollinia	.....horizontal	Coats
.....gland	.....induplicate	Kinds	.....pendulous	Surface, a. b. c.
.....ringent	.....rectiplicate	.....closed	.....suspended	Color
.....annulate	.....imbricate	.....open	FRUIT	Texture
.....spurred	.....contorted	.....Cohesion	.....sepaloidal	Appendages
.....inflated	.....convolute	.....simple	.....loculiferous	.....aril
.....succate	.....plicata	.....multiple	.....sepalifragal	.....caruncle
Border	.....supervolvate	.....compound	.....chromo-scl. side	.....straphilote
.....truncate	Stamens	.....Stigma	Kinds	.....wing
.....entire	.....Position	Position	.....Berry	.....coma
.....lobed	.....alternate	.....terminal	.....peltate	Albumen
.....partial	.....opposite	.....lateral	.....peltate	.....quantity
Pappus	Inserica	.....sessile	.....peltate	Texture
.....cup	.....hypogynous	.....Stigma	.....Stigma	Color
.....scales	.....epigynous	.....Position	.....Stigma	Embryo
.....awns	.....synanthous	.....Form	.....Stigma	.....Form
.....bristles	.....on a disk	.....obscure	.....Stigma	.....Straight
Polypetalous	.....epipetalous	.....globose	.....Stigma	.....beet
.....resacous	.....Length	.....lobed	.....Stigma	.....rolled
.....bilaccous	.....long	.....linear	.....Stigma	.....erect
.....eruciferous	.....short	.....Stylo	.....Stigma	.....Size
.....caryophyllaceous	.....didynamous	Form	.....Stigma	.....Position as to Albumen
.....papil-tomaceous	.....tetradynamous	.....filiform	.....Stigma	.....outside
.....anomalous	.....Cohesion	.....linear	.....Stigma	.....inside
Duration	.....adcliphous	.....declinate	.....Stigma	Radicle
.....deciduous	.....syngonescous	Position	.....Stigma	Direction
.....marcescent	.....Gen. Features	.....terminal	.....Stigma	Length
.....persistent	.....included	.....lateral	.....Stigma	Phanulo
Color	.....sessile	.....basilar	.....Stigma	Number
.....calyx	.....conjoint	Number	.....Stigma	Position
.....corolla	Filament	<i>Surface, a. b. c.</i>	.....Stigma	Coryleous
Surface	.....Form	Ovary	.....Stigma	Form
.....calyx	.....capillary	.....Adhesion	.....Stigma	.....Size
.....ribbed	.....filiform	.....superior	.....Stigma	Number
.....nerved	.....filiform	.....half-superior	.....Stigma	Texture
.....corolla	<i>Surface, a. b. c.</i>	.....inferior	.....Stigma	Pericarp
.....throat	Number	Form	.....Stigma	Texture
Texture	Attachment	Surface, a. b. c.	.....Stigma	.....membranous
.....	.....imbricate	Gen. Features	.....Stigma	.....contiguous
.....	.....adnate	.....	.....Stigma	.....sacculent

REMARKS :

ORDER : No.

Name, { SCIENTIFIC,
 { COMMON,
 LOCALITY, DATE, 187.....

CHECK TABLET.

<p>GENERAL FEATURES.</p> <p>Habit.</p> <ul style="list-style-type: none"> terrestrial aquatic = aerial <p>Duration</p> <ul style="list-style-type: none"> annual bimonthly perennial <p>Odor</p>	<ul style="list-style-type: none"> 8 spatulate 9 oblong 10 elliptical 11 oval 12 round 13 ovate 14 obovate 15 cuculate <p>Surface</p> <ul style="list-style-type: none"> a b c <p>Color</p> <p>Height</p> <p>Underground</p> <ul style="list-style-type: none"> tuber bulb rhizome sessile p. stoliate stipulate exstipulate equitant <p>Arrangement</p> <p style="text-align: center;">On the Stem.</p> <ul style="list-style-type: none"> cauline radical runcal <p>Along the Axis—</p> <ul style="list-style-type: none"> alternate scattered resulate fasciculate opposite verticillate <p>Duration</p> <ul style="list-style-type: none"> 1 persistent 2 deciduous <p>Vernation</p>	<ul style="list-style-type: none"> 4 villous 5 silky 6 woolly 7 velvety <p>Stiff hairs</p> <ul style="list-style-type: none"> 1 sericeous 2 hispid 3 aculeate 4 spinous 5 prickly 6 merous <p>Stalk</p> <p style="text-align: center;">Peduncul</p> <p><i>Length</i> <i>a. b. c.</i></p> <p style="text-align: center;">Pedice</p> <p><i>Length</i> <i>a. b. c.</i></p> <p style="text-align: center;">Scape</p> <p><i>Height</i> <i>a. b. c.</i></p> <p>Involute</p> <ul style="list-style-type: none"> rosaceous cup-shaped hemispherical bell-shaped cylindrical conical ovoid. <p style="text-align: center;">Scales</p> <p><i>No. of rows.</i></p> <p><i>Number.</i></p> <p style="text-align: center;">Direction.</p> <ul style="list-style-type: none"> repressed spreading reflexed <p><i>Form. a. b. c. d. e.</i></p> <p style="text-align: center;">Texture</p> <ul style="list-style-type: none"> petaloidous lenticous scarious spinous figid chaly. <p style="text-align: center;">Receptacle</p> <p style="text-align: center;">Form</p> <ul style="list-style-type: none"> urn-shaped concave flat cylindrical elongated conical convex hemispherical <p style="text-align: center;">Disk</p> <ul style="list-style-type: none"> polygnous heptagnous epigynous <p style="text-align: center;">Surface</p> <ul style="list-style-type: none"> naked smooth punctate alveolate bristly
<p>Gen. Char.</p> <p>STEM.</p> <ul style="list-style-type: none"> xylagenous endogenou <p>Mature</p> <ul style="list-style-type: none"> herbaceous suffruticent fruticose arborescent arborescous creeper climber twining <p>Branching</p> <ul style="list-style-type: none"> simplex diffuse excurrent racemose paniculate corymbose diffuse deliquescent <p>SpecialForms</p> <ul style="list-style-type: none"> suckers stolons offsets runners tendrils thorns thorns striate terete grooved angled. solid 	<ul style="list-style-type: none"> 1 acuminat 2 acute 3 obtuse 4 truncate 5 retuse 6 emarginate 7 cordate 8 auriculate 9 sagittate 10 hastate 11 peltate 12 reniform 13 clasping 14 comate 15 decurrent 16 <p style="text-align: center;">Apex</p> <ul style="list-style-type: none"> 1 acuminat 2 acute 3 obtuse 4 truncate 5 retuse 6 emarginate 7 obtusate 8 cuspidate 9 mucronate 10 aristate <p style="text-align: center;">Morpho</p> <ul style="list-style-type: none"> 1 revolute 2 entire 3 serrate 4 dentate 5 crenate 6 repand 7 sinuate 8 incis 9 fringed 10 ciliate 11 serrulate 12 lobed 13 cleft 14 parted 15 pectinate 16 lyrate 17 runcinate 18 divided 19 20 <p style="text-align: center;">Surface</p> <p style="text-align: center;">No hairs</p> <ul style="list-style-type: none"> 1 glabrous 2 glaucous 3 punctate 4 verrucose 5 <p style="text-align: center;">Soft hairs</p> <ul style="list-style-type: none"> 1 puberulent 2 pilosus 3 pubescent 	<ul style="list-style-type: none"> a b c d e <p style="text-align: center;">Gen. Character</p> <ul style="list-style-type: none"> incumbens foliaceous spinous scarcous persistent deciduous lignaceous <p style="text-align: center;">BRACIS</p> <p style="text-align: center;">Form</p> <ul style="list-style-type: none"> a b c d <p><i>Surface. a. b. c.</i></p> <p style="text-align: center;">Gen. Character</p> <ul style="list-style-type: none"> petaloidous rotaceous petaloidous membranous spinous <p style="text-align: center;">INFLUENCE</p> <p style="text-align: center;">Terminal</p> <ul style="list-style-type: none"> solitary cymose fascicle glomerule verticillaster <p style="text-align: center;">Auxiliary</p> <ul style="list-style-type: none"> subifary raceme corymb umbel panicle thyrsus spike spathix catant head <p style="text-align: center;">FLOWER.</p> <p style="text-align: center;">Kinds</p>

CHECK TABLET.

GENERAL FEATURES.	hollow	N	spatulate	4	.....	villous	5	.....	symmetrical
Habit.	flexuose	6	oblong	5	.....	sulcy	6	.....	complete
	geniculate	10	elliptical	10	.....	wooly	7	.....	per-rect
	tumid joint	11	oval	11	.....	velvety	8	.....	regular
	a, b, c	12	round	12	.....	.....	9	.....	shagreenate
Surface	.....	13	ovate	13	.....	.....	10	.....	pubescent
	a, b, c	14	obovate	14	.....	.....	11	.....	neutral
Color	.....	15	cuneate	15	.....	.....	12	.....	.....
Height	.....	16	.....	16	.....	.....	13	.....	.....
Underground	.....	17	.....	17	.....	.....	14	.....	.....
	rhizoma	18	.....	18	.....	.....	15	.....	.....
	.....	19	.....	19	.....	.....	16	.....	.....
	.....	20	.....	20	.....	.....	17	.....	.....
Odor	.....	21	.....	21	.....	.....	18	.....	.....
	.....	22	.....	22	.....	.....	19	.....	.....
	.....	23	.....	23	.....	.....	20	.....	.....
	.....	24	.....	24	.....	.....	21	.....	.....
Juice	.....	25	.....	25	.....	.....	22	.....	.....
Color	.....	26	.....	26	.....	.....	23	.....	.....
Taste	.....	27	.....	27	.....	.....	24	.....	.....
Gen. Char.	.....	28	.....	28	.....	.....	25	.....	.....
ROOT.	.....	29	.....	29	.....	.....	26	.....	.....
Form	.....	30	.....	30	.....	.....	27	.....	.....
	.....	31	.....	31	.....	.....	28	.....	.....
	.....	32	.....	32	.....	.....	29	.....	.....
	.....	33	.....	33	.....	.....	30	.....	.....
	.....	34	.....	34	.....	.....	31	.....	.....
	.....	35	.....	35	.....	.....	32	.....	.....
	.....	36	.....	36	.....	.....	33	.....	.....
	.....	37	.....	37	.....	.....	34	.....	.....
	.....	38	.....	38	.....	.....	35	.....	.....
	.....	39	.....	39	.....	.....	36	.....	.....
	.....	40	.....	40	.....	.....	37	.....	.....
	.....	41	.....	41	.....	.....	38	.....	.....
	.....	42	.....	42	.....	.....	39	.....	.....
	.....	43	.....	43	.....	.....	40	.....	.....
	.....	44	.....	44	.....	.....	41	.....	.....
	.....	45	.....	45	.....	.....	42	.....	.....
	.....	46	.....	46	.....	.....	43	.....	.....
	.....	47	.....	47	.....	.....	44	.....	.....
	.....	48	.....	48	.....	.....	45	.....	.....
	.....	49	.....	49	.....	.....	46	.....	.....
	.....	50	.....	50	.....	.....	47	.....	.....
Gen. Char.	51	51	48
	52	52	49
	53	53	50
	54	54	51
	55	55	52
	56	56	53
	57	57	54
	58	58	55
	59	59	56
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	89	89	86
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	91	91	88
	92	92	89
	93	93	90
	94	94	91
	95	95	92
	96	96	93
	97	97	94
	98	98	95
	99	99	96
	100	100	97

..... matted
..... complete
..... per-rect
..... regular
..... shagreenate
..... pubescent
..... neutral
.....

Odor
Plan
Stalk
Length
Surface, *a, b, c*
Folical
Length
Weight
Surface, *a, b, c*
Involve
Form

..... rosaceous
..... cup-shaped
..... hemispherical
..... but-shaped
..... cylindrical
..... conical
..... hemispherical
..... Disk
..... hypogynous
..... perigynous
..... epigynous
Surface
..... naked
..... smooth
..... punctate
..... alveolate
..... bristly

..... villous
..... sulcy
..... woolly
..... velvety
Stiff Hairs
..... caninus
..... bifid
..... spinous
..... prickly
Petiole
Form
..... terete
..... grooved
..... leaf-like
Xylem
..... margined
..... sheathing
Surface, *a, b, c*
Length
Stipules
Form
a, b, c, d
Adhesion
..... adnate
..... clasping
..... foliaceous
..... membranous
..... sessaceous
Duration
..... persistent
..... deciduous
..... fugacious

BRACTS
Form
a, b, c, d
Surface, *a, b, c, d*
ven. Anarator
..... minutous
..... petaloudous
..... membranous
..... spinous
INFLORESCENCE
Terminal
..... solitary
..... cymose
..... fascicle
..... glomerule
..... verticillaster
Axillary
..... solitary
..... raceme
..... corymb
..... umbel
..... panicle
..... hypanth
..... spike
..... spathe
..... catkin
..... head
FLOWER
Kinds

..... spatulate
..... oblong
..... elliptical
..... round
..... ovate
..... cuneate
Base
..... acuminate
..... acute
..... truncate
..... retuse
..... emarginate
..... cordate
..... auriculate
..... hastate
..... pedate
..... reniform
..... clasping
..... connate
..... decurrent
.....

Arrangement
..... scattered
..... rosulate
..... fasciculate
..... opposite
..... verticillate
Duration
..... persistent
..... deciduous
Vernation
Texture
..... succulent
..... coriaceous
..... rugose
..... scabrous
Venation.
..... straight
..... curved
..... transverse
Netted.
..... pinnate
..... 3-nerved
..... 5-nerved
..... radiate
Form.
..... palmate
..... palmate
..... lobate
Simple Leaves
Gen., Outline
..... filiform
..... acicular
..... acrose
..... subulate
..... linear
..... lanceolate
..... oblanceolate

Surface
No Hairs
..... glabrous
..... glaucous
..... punctate
..... verrucose
Soft Hairs
..... pubescent
..... pilosus
..... pubescent

..... acuminata
..... hastate
..... reniform
..... clasping
..... connate
..... decurrent
.....

..... acuminata
..... hastate
..... reniform
..... clasping
..... connate
..... decurrent
.....

.....chaffy Texture	Sopale, Petals	.....versatile inrose.....cross.....pendulous	.....included.....erect	.....Color.....Odor	.....Surface, a. b. c.
Calyx-Corolla	.....spreading.....reflexed	.....No. of Cells, .....Dehiscence	.....Placentation	.....Gen. Character	.....Fluvel
Gamopetalous	.....sepal- .....petal- Form	.....No. of Cells, .....Dehiscence	.....Ovules	.....Form	.....SEED.....Number
.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....silver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....galeate.....ringent.....perispermate.....spurred.....indented.....saccate	Aestivation	.....Pollin.....Pollinia	.....Lind.....ampylotrochous.....antitrochous.....amphitrochous	.....Attachment	.....sessile.....funiculate
.....border.....truncate.....entire.....lobed.....clark.....parted.....papery.....cap.....scales.....awns.....bristles	Stamens	.....Pistil	.....Dr. in Ovary	.....Coats	.....Surface, a. b. c.
Epigynous	.....Number.....Position	.....Kinds	.....Number	.....Appendages	.....Turgor.....Color
.....albicarous.....cruciferous.....erysiphiferous.....papilionaceous.....anomalous	Insertion	.....Cohesion	.....Fruit	.....Form	.....Caruncle.....Trophole.....Wing.....Coma
.....deciduous.....persistent Color	.....epigynous.....gynandrous.....on a disk.....epipetalous	.....Number.....Stigma.....Position	.....Kinds	.....Albumen	.....Warty.....Texture.....Color
.....calyx.....corolla.....calyx ribbed.....nerved.....corolla.....throat	Length	.....Form	.....Stone	.....Embryo	.....Form.....Straight.....beak.....rolled
.....calyx.....corolla.....calyx ribbed.....nerved.....corolla.....throat	.....long.....short.....didynamous.....tetradynamous	.....Style.....Form	.....Dry	.....Position as to Albumen	.....outside.....inside
.....deciduous.....persistent Color	.....epigynous.....gynandrous.....on a disk.....epipetalous	.....Form	.....Stigma	.....Direction	.....Pedicel
.....calyx.....corolla.....calyx ribbed.....nerved.....corolla.....throat	.....long.....short.....didynamous.....tetradynamous	.....Form	.....Position	.....Length	.....Fluvel.....Position
.....deciduous.....persistent Color	.....epigynous.....gynandrous.....on a disk.....epipetalous	.....Form	.....Form	.....Aggregate	.....Multiple
.....calyx.....corolla.....calyx ribbed.....nerved.....corolla.....throat	.....long.....short.....didynamous.....tetradynamous	.....Form	.....Form	.....Accessory	.....Multiple
.....deciduous.....persistent Color	.....epigynous.....gynandrous.....on a disk.....epipetalous	.....Form	.....Form	.....No. of Cells	.....No. of Cells
.....calyx.....corolla.....calyx ribbed.....nerved.....corolla.....throat	.....long.....short.....didynamous.....tetradynamous	.....Form	.....Form	.....Odor	.....Taste
.....deciduous.....persistent Color	.....epigynous.....gynandrous.....on a disk.....epipetalous	.....Form	.....Form	.....Pericarp	.....Texture
.....calyxcorollacalyx ribbednervedcorollathroatlongshortdidynamoustetradynamousFormFormTexturemembranouscoriaceoussucculent

REMARKS:

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LOCALITY,

DATE,

No.

187

CHECK TABLET.

GENERAL FEATURES.	1 hollow	8 spatulate	7 villous	7 symmetrical
Habit.	2 flexuose	9 obovate	5 silky	5 complete
.....terrestrial	3 geniculate	10 elliptical	6 woolly	6 perfect
.....aquatic	4 flamm. joint	11 ovoid	7 velvety	7 regular
.....aerial	5 b. c	12 round	8 hairs	8 staminate
Duration	6 c	13 obovate	9 scapular	9 distillate
.....annual	7 Height	14 obovate	10 hispid	10 neutral
.....biennial	8 Underground	15 cucurbit	11 acute	11 mucrons
.....perennial	9 rhizomat	16 Base	12 spinous	12 Odor
Odor	1 corn	1 acuminat	13 prickly	13 Plan
.....tober	2 bulb	2 acute	14 Petiole	14 Stalk
Juice	3 sessile	3 obtuse	15 Form	15 Peduncle
.....Taste	4 p. ctiolate	4 truncat	16 grooved	16 Length
Gen. Char.	5 sessile	5 reuise	17 leaf-like	17 Pedicel
ROOT.	6 stipulate	6 emarginat	18 leaf-like	18 Height
Form	7 exspillate	7 cordat	19 margined	19 Scope
.....conical	8 equitant	8 auriculat	20 clasping	20 Surface
.....fusiform	9 men	9 hastat	21 sheathing	21 Involute
.....napiform	10 On the Stem	10 pellat	22 clasping	22 Form
.....ramose	11 cauline	11 reniform	23 clasping	23 Length
.....solvent	12 radical	12 claspant	24 connate	24 Stipules
.....fibrous	13 radical	13 decurrant	25 decurrant	25 Form
.....fasciculate	14 Along the Axis—	14 alternate	26 Acrop	26 Adhesion
.....aerial	15 scattered	15 fasciculat	1 acuminat	1 Adhesion
Gen. Char.	16 fasciculate	16 opposit	2 acute	2 Adhate
STEM.	17 verticillat	17 verticillat	3 obtuse	3 Gen. Character
Mature	18 persistent	18 deciduous	4 truncat	4 membranous
.....herbaceous	19 deciduous	19 vernal	5 reuise	5 foliaceous
.....suffrutescent	20 vernal	20 deciduous	6 Char. of the	6 spinous
.....suffruticose	21 vernal	21 deciduous	7 cupulate	7 setaceous
.....fruticose	22 vernal	22 deciduous	8 arisat	8 persistent
.....arborescent	23 succulent	23 succulent	9 revolvit	9 deciduous
.....arbores	24 succulent	24 succulent	10 entire	10 rugulosis
.....erect	25 rugose	25 rugose	11 serrat	11 setaceous
.....assurgent	26 s. ois	26 s. ois	12 dentat	12 erect
.....decumbent	27 straight	27 straight	13 repand	13 spreading
.....prostrate	28 curved	28 curved	14 sinuat	14 reflex
.....creeping	29 transverse	29 transverse	15 incis	15 appressed
.....climbing	30 Nettyd.	30 pinnat	16 fringed	16 Form
.....twining	31 pinnat	31 3-nerv	17 ciliat	17 Form
Branching	32 3-nerv	32 radiat	18 serrulat	18 Surface
.....simple	33 radiat	33 radiat	19 lob	19 Pinnatifid
.....diffuse	34 Compound.	34 Compound.	20 cleft	20 Pinnatifid
.....erect	35 pinnate	35 pinnate	21 partit	21 Pinnatifid
.....excurret	36 lobate	36 lobate	22 pectinat	22 Pinnatifid
.....ramose	37 Simple, Leaflets	37 Simple, Leaflets	23 lyrat	23 Pinnatifid
.....paniculate	38 Gen., Outline	38 Gen., Outline	24 divid	24 Pinnatifid
.....corymbose	39 Simple, Leaflets	39 Simple, Leaflets	25 No Hairs	25 Pinnatifid
.....diffuse	40 Simple, Leaflets	40 Simple, Leaflets	1 glabrous	1 Pinnatifid
.....deliquescent	41 Simple, Leaflets	41 Simple, Leaflets	2 punctat	2 Pinnatifid
Special Forms	42 Simple, Leaflets	42 Simple, Leaflets	3 verrucos	3 Pinnatifid
.....suckers	43 Simple, Leaflets	43 Simple, Leaflets	4 Soft Hairs	4 Pinnatifid
.....stolons	44 Simple, Leaflets	44 Simple, Leaflets	1 tubul	1 Pinnatifid
.....offsets	45 Simple, Leaflets	45 Simple, Leaflets	2 puberul	2 Pinnatifid
.....runners	46 Simple, Leaflets	46 Simple, Leaflets	3 pilos	3 Pinnatifid
.....tendrils	47 Simple, Leaflets	47 Simple, Leaflets	4 pubescent	4 Pinnatifid
.....thorns	48 Simple, Leaflets	48 Simple, Leaflets	1 glabrous	1 Pinnatifid
Gen. Char.	49 Simple, Leaflets	49 Simple, Leaflets	2 punctat	2 Pinnatifid
.....terete	50 Simple, Leaflets	50 Simple, Leaflets	3 verrucos	3 Pinnatifid
.....striate	51 Simple, Leaflets	51 Simple, Leaflets	4 Soft Hairs	4 Pinnatifid
.....grooved	52 Simple, Leaflets	52 Simple, Leaflets	1 tubul	1 Pinnatifid
.....angled.	53 Simple, Leaflets	53 Simple, Leaflets	2 puberul	2 Pinnatifid
.....solid	54 Simple, Leaflets	54 Simple, Leaflets	3 pilos	3 Pinnatifid
.....solid	55 Simple, Leaflets	55 Simple, Leaflets	4 pubescent	4 Pinnatifid

chafly Texture		versatile intra-se extreme pendulous Form	included scattered	Surface, a. b. . c.
Calyx, Corolla Gymnosalous Gamopetalous		appressed spreading re-erect	Placitation free-central axillary parietal	Color Gen. Character ribbed grooved furrowed
saucer-shaped cup-shaped tubular limb-like salver-form tubular limb-like salver-form tubular limb-like salver-form tubular limb-like salver-form	sepal petal Form a. b. . c. d. spurred petals a. b. . c. d.	sagittate peltate awned cordate lobed No. of Cells Delioscence lateral	SEED Number	
top-shaped tubular limb-like salver-form tubular limb-like salver-form	open induplicate reduplicate imbricate contorted convolute plicata supervolvit	orthotropous campylotropous anatropous ambitropous Dir. in Ovary erect ascending horizontal pendulous	Form oblong ovate ovoid	
Aestivation Number		Polloin Pellinia Pistil Kinds closed open Cohesion simple multiple compound	Attachment sessile limbulate	Surface, a. b. . c.
open induplicate reduplicate imbricate contorted convolute plicata supervolvit	Polloin Pellinia Pistil Kinds closed open Cohesion simple multiple compound		Coats Tortexo Appendages aril	
Stamens Number		Stigma Position terminal lateral sessile	Albumen quantity Texture Color	
alternate opposite Imbricate trypolyanous perigynous epigynous on a disk epipetalous	Stigma Position terminal lateral sessile		Embryo Form straight bent rolled	
long short didynamous tetradynamous Cohesion atrophous syngenesious	Form Alb.oid filiform linear Style Pony filiform brachia rectinate		Position as to Albumen outside inside radicle Direction Length	
included exserted sessile conjoint Filament Form	Position terminal lateral basilar Number Surface, a. b. . c.		Fluide Position Corymbous Form	
capillary filiform	Ovary Adhesion superior half-superior inferior		Size Number Texture	
Surface, a. b. . 2.	No. of Cells Form		Pericarp Texture	
Anther Attachment innate adnate	Surface, a. b. . c.		Gen. Features	

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ORDER: No.

Name, { SCIENTIFIC,
COMMON,
LOCALITY, DATE, 187

CHECK TABLE.

GENERAL FEAT- URES.	1 hollow	7 spatulate	4 villous	1 symmetrical
Habit.	2 flexuose	8 oblong	5 silky	2 composite
1 terestrial	9 scandent	9 elliptical	6 woolly	3 perfect
2 aquatic =	10 humid joint	10 oval	7 velvety	4 regular
3 parasitic	11 c	11 round	8 scannous	5 staminate
4 aerial	12 sessile	12 ovate	9 hispid	6 pistillate
5 annual	13 sessile	13 obovate	10 ciliate	7 neutral
6 biennial	14 sessile	14 cucurbit	11 spinous	8 mucous
7 perennid	15	15	12 prickly	9
	Surface	Birse	Petiole	Stalk
	1 corm	1 acuminat	1 term	1 febrile
	2 tuber	2 acute	2 terete	2 Length.
	3 bulb	3 obtuse	3 truncate	3 Surface. a. b. c.
	4 sessile	4 retuse	4 compressed	4 Length.
	5 petiolate	5 emarginate	5 leaf-like	5 Height.
	6 stipulate	6 cordate	6 Kind	6 Surface. a. b. c. e.
	7 exstipulate	7 auriculate	7 margined	7 Involvece
	8 equitant	8 sagittate	8 sheathing	8 Form
	9	9 hastate	9	9
	10	10 peltate	10	10
	11	11 reniform	10	10
	12	12 clasping	10	10
	13	13	10	10
	14	14	10	10
	15	15	10	10
	16	16	10	10
	Arrangemen On the stem.	Appex	Gen. Charact	Scale
	1 alternate.	1 acuminat	1 adnate	1 No. of rows.
	2 scattered	2 acute	2 clasping	2 Number.
	3 fasciculate	3 obtuse	3 membranous	3
	4 opposite	4 truncate	4 foliaceous	4
	5 verticillate	5 retuse	5 stipitous	5
	6	6 emarginate	5 persistent	6
	7	7 obovate	6 deciduous	7
	8	8 cuspidate	6	8
	9	9 macronate	6	9
	10	10 aristate	6	10
	Duration	Morph	Gen. Charact	Scale
	1 persistent	1 revolvit	1 adnate	1 No. of rows.
	2 deciduous	2 entire	2 clasping	2 Number.
	3	3 serrate	3 membranous	3
	4	4 dentate	3 foliaceous	4
	5	5 crenate	3 stipitous	5
	6	6 repand	3 persistent	6
	7	7 sinuate	3 deciduous	7
	8	8 incurved	3	8
	9	9 transverse	3	9
	10	10 fringed	3	10
	Vernation	Netted.	Gen. Charact	Scale
	1 pubescent	1 pinnate	1 adnate	1 No. of rows.
	2	2 3-nerved	2 clasping	2 Number.
	3	3 5-nerved	2 membranous	3
	4	4 radiate	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Texture	Form.	Gen. Charact	Scale
	1 succulent	1 palmate	1 adnate	1 No. of rows.
	2 cartilagenous	2 palmate	2 clasping	2 Number.
	3 rugose	3 foliate	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Venation.	SpecialForms	Gen. Charact	Scale
	1 straight	1 Simple.	1 adnate	1 No. of rows.
	2	1 Gen. Outline	2 clasping	2 Number.
	3 curved	2 flumens	2 membranous	3
	4 transverse	3 acicular	2 foliaceous	4
	5	4 areose	2 stipitous	5
	6	5 subulate	2 persistent	6
	7	6 linear	2 deciduous	7
	8	7 oblanceolate	2	8
	9	8	2	9
	10	9	2	10
	Netted.	Form.	Gen. Charact	Scale
	1 pinnate	1 palmate	1 adnate	1 No. of rows.
	2 3-nerved	2 palmate	2 clasping	2 Number.
	3 5-nerved	3 foliate	2 membranous	3
	4 radiate	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Form.	SpecialForms	Gen. Charact	Scale
	1 palmate	1 Simple.	1 adnate	1 No. of rows.
	2 palmate	1 Gen. Outline	2 clasping	2 Number.
	3 foliate	2 flumens	2 membranous	3
	4	3 acicular	2 foliaceous	4
	5	4 areose	2 stipitous	5
	6	5 subulate	2 persistent	6
	7	6 linear	2 deciduous	7
	8	7 oblanceolate	2	8
	9	8	2	9
	10	9	2	10
	SpecialForms	Gen. Char.	Gen. Charact	Scale
	1 stolon	1 stem	1 adnate	1 No. of rows.
	2 runners	2 thorns	2 clasping	2 Number.
	3	3	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Gen. Char.	Gen. Char.	Gen. Charact	Scale
	1 grooved	1 stem	1 adnate	1 No. of rows.
	2 striate	2 thorns	2 clasping	2 Number.
	3	3	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Gen. Char.	Gen. Char.	Gen. Charact	Scale
	1 smooth	1 stem	1 adnate	1 No. of rows.
	2 punctate	2 thorns	2 clasping	2 Number.
	3 alveolate	3	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Gen. Char.	Gen. Char.	Gen. Charact	Scale
	1 naked	1 stem	1 adnate	1 No. of rows.
	2	2	2 clasping	2 Number.
	3	3	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10
	Gen. Char.	Gen. Char.	Gen. Charact	Scale
	1	1	1 adnate	1 No. of rows.
	2	2	2 clasping	2 Number.
	3	3	2 membranous	3
	4	4	2 foliaceous	4
	5	5	2 stipitous	5
	6	6	2 persistent	6
	7	7	2 deciduous	7
	8	8	2	8
	9	9	2	9
	10	10	2	10

.....chaffy Texture	.....versatile introrse extrorse conditions	.....included exserted	.....<i>Surface, a. b. c.</i> Color
Calyx, Corolla	.....Sopala, Petals appressed spreading reflexed	.....free-central axillary pericardial	.....Con. Character.....ribbed.....grooved.....furrowed
Gamopetalous	.....sepals petals	.....	SEED
.....cup-shaped	.....Form	.....	.....Number
.....campanulate	a. b. c. d.	.....orthotropous campylotropous antritropous amphitropous	Form
.....funnel-form	.....spurred	.....erect ascending horizontally	.....oblong ovate ovoid
.....sulver-form	.....petals	.....	Attachment
.....top-shaped	a. b. c. d.	.....	.....sessile.....funiculate
.....tubular	Aestivation	.....	Coats
.....lobulate	.....imbricate.....valvate.....reduplicate.....imbricate.....contorted.....convolute.....plic-ate.....supervol. b.	.....	<i>Surface, a. b. c.</i> Color Texture
.....obovate	.....	.....	Appendages
.....ringent	.....	.....	.....aril.....perianth.....wing.....coma
.....persistent	.....	.....	Albumen
.....spurred	.....	.....	.....Quantity
.....lobed	.....	.....	.....Color Texture
.....saccate	Stamens	.....	Embryo
.....tunicate	.....Number	.....	.....Form.....beak.....rolled *
.....lobed	.....Fusion	.....	.....Size
.....clit	.....alternate	.....	.....Position
.....parted	.....opposite	.....	.....Direction.....Length
Papou	.....Insertion	.....	.....Plumule.....Position
.....cup	.....hypanthial	.....	.....Coryleons.....Form
.....scutes	.....perigonous	.....	.....Size.....Number.....Position
.....axils	.....Kyma nran,	.....	.....Coryleons.....Form
.....bristles	.....of a disk	.....	.....Position.....Length
Polypetal us	.....epipetalous	.....	.....Coryleons.....Form
.....rosaceous	.....long	.....	.....Coryleons.....Form
.....filicaceous	.....short	.....	.....Coryleons.....Form
.....cruciferous	.....didynamous	.....	.....Coryleons.....Form
.....caryophyllaceous	.....tetradynamous	.....	.....Coryleons.....Form
.....papilionaceous	.....Cohesion	.....	.....Coryleons.....Form
.....anomalous	.....adelphous	.....	.....Coryleons.....Form
Duration	.....syngenesious	.....	.....Coryleons.....Form
.....deciduous	.....Gen. Features	.....	.....Coryleons.....Form
.....hercrescent	.....included	.....	.....Coryleons.....Form
.....persistent	.....exserted	.....	.....Coryleons.....Form
Color	.....sessile	.....	.....Coryleons.....Form
.....calyx	.....conjoint	.....	.....Coryleons.....Form
.....corolla	.....Filament	.....	.....Coryleons.....Form
.....calyx	.....Form	.....	.....Coryleons.....Form
.....ribbed	.....capillary	.....	.....Coryleons.....Form
.....nerved	.....filiform	.....	.....Coryleons.....Form
.....corolla	.....No. of Cells	.....	.....Coryleons.....Form
.....throatAttachmentCoryleonsForm
TextureimbricateadnateCoryleonsForm

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ORDER:

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

No.

DATE,

187

CHECK TABLE.

GENERAL FEATURES. hollow	S spatulate	+ villous symmetrical
Habit.	..... flexuose	9	..... oblong	5	..... silky	..... complete
..... terrestrial	..... granulate	10	..... elliptical	6	..... woolly	..... perfect
..... aquatic	..... tumid joint	11	..... oval	7	..... velvety	..... csgular
..... aerial	..... <i>a. b. c.</i>	12	..... rotund	8	Stiff Hairs	..... staminate
Duration	..... sessile	13	..... ovate	1	..... scariosus	..... pustulate
..... annual	..... p. tobiolate	14	..... obovate	2	..... hispid	..... neutral
..... biennial	..... stipulate	15	..... cuneate	3	..... acutate	Odor
..... perennial	..... exstipulate	16	Base	5	..... spinosus	.....
Underground	..... equitant	17	..... acuminato	6	..... prickly	Plan
..... corn	..... tubar	18	..... acule	1	Petiole	.....
..... bulb	LEAVES.	19	..... obtuse	2	Form	.....
Kinds	..... sessile	2	..... truncate	3	..... arete	Feetmide
..... p. tobiolate	..... opposite	3	..... retuse	4	..... grooved	<i>a. b. c.</i>
..... stipulate	..... verticillate	4	..... emarginate	5	..... compressed	Fedcel
..... exstipulate	..... Duratien	5	..... cordate	6	..... leaf-like	Length
..... equitant	..... persistent	6	..... auriculate	7	..... margined	Scope
Arrangemen	..... deciduous	7	..... sagittate	8	..... clasping	<i>a. b. c.</i>
On the Stem	..... Vernation	8	..... hastate	9	..... sheathing	Involve
..... cauline	..... Texture	9	..... peltate	10	<i>a. b. c.</i>	Form
..... radical	..... succulent	10	..... reniform	11	..... rosaceous	..... cup-shaped
..... ramal	..... contrivous	11	..... clasping	12	..... hemispherical	..... bell-shaped
Along the Axis	..... rugose	12	..... decurrent	13	..... cylindrical	..... conical
..... alternate	..... S. b. o. s.	13	..... decurrent	14	..... ovoid	.....
..... scattered	..... 4-angled	14	Apex	1	..... adnate	Scales
..... fasciculate	..... straight	15	..... acute	2	..... clasping	<i>a. b. c.</i>
..... opposite	..... curved	16	..... obtuse	3	..... membranous	No. of nodes
..... verticillate	..... transverse	17	..... truncate	4	..... foliaceous	Number.
Duration	..... Netted.	18	..... emarginate	5	..... spinous	Direction.
..... persistent	..... 3-nerved	19	..... orbiculate	6	..... erect	..... appressed
..... deciduous	..... 5-nerved	20	..... tripartite	7	..... spreading	..... reflexed
Vernation	..... palmate	21	..... lobed	8	.....	.....
..... Texture	..... foliate	22	..... 3-nerved	9	BRACIS	<i>a. b. c. d.</i>
..... succulent	..... Simple, Leaflets	23	..... 5-nerved	10	Form	.....
..... contrivous	..... <i>Gen., Outline</i>	24	..... radiate	11	<i>a. b. c. d. e.</i>	Surface.
..... rugose	..... 1	25	..... palmate	12	..... reticulate	.....
..... S. b. o. s.	..... 2	26	..... foliate	13	..... entire	Texture
..... 4-angled	..... 3	27	..... Simple, Leaflets	14	..... serrate	..... peltaceous
..... straight	..... 4	28	..... <i>Gen., Outline</i>	15	..... dentate	..... foliaceous
..... curved	..... 5	29	..... 1	16	..... crenate	..... spinous
..... transverse	..... 6	30	..... 2	17	..... repand	..... rigid
Branching	..... 7	31	..... 3	18	..... sinuate	..... cherty.
..... simple	..... 8	32	..... 4	19	..... pinnate	INFLUENCE
..... furcate	..... 9	33	..... 5	20	..... ciliate	Terminal
..... excurrent	..... 10	34	..... 6	21	..... serrulate	..... solitary
..... racemose	..... 11	35	..... 7	22	..... lobed	..... cymic
..... paniculate	..... 12	36	..... 8	23	..... cleft	..... fasciculate
..... corymbose	..... 13	37	..... 9	24	..... parted	..... glomerate
..... diffuse	..... 14	38	..... 10	25	..... pectinate	..... verticillaster
..... deliquescent	..... 15	39	..... 11	26	..... lyrate	Axillary
Special Forms	..... 16	40	..... 12	27	..... runcinate	..... solitary
..... suckers	..... 17	41	..... 13	28	..... divided	..... racemic
..... stolons	..... 18	42	Surface	1	..... No Hairs	..... corymb
..... offsets	..... 19	43	..... glabrous	2	..... 1	..... umboel
..... runners	..... 20	44	..... glaucous	3	..... 2	..... panicke
..... tendrils	..... 21	45	..... 1	4	..... 3	..... thyrasus
..... thorns	..... 22	46	..... 2	5	..... 4	..... spike
Gen. Char.	..... 23	47	..... 3	6	..... 5	..... spatix
..... terete	..... 24	48	..... 4	7	..... 6	..... cutkin
..... striate	..... 25	49	..... 5	8	..... Soft Hairs	..... puberulent
..... grooved	..... 26	50	..... 6	9	..... 1	..... pilosus
..... angled	..... 27	51	..... 7	10	..... 2	..... pubescent
..... solid	..... 28	52	..... 8	11	..... 3	.....

.....chauffy Texture	Sepals, Petals.....appressed.....spreading.....reflexed Form.....sagittate.....pelate.....awned.....orbate.....lobed No. of Cells, Dehiscence.....lateral Pollen	.....included.....asserted Flaccidation.....free-central.....axillary.....parietal.....furrowed SEED Number Form.....oblong.....ovate.....ovoid Attachment.....sessile.....funiculate Coats Surface, a., b., c.,	.....included.....asserted Flaccidation.....free-central.....axillary.....parietal.....furrowed SEED Number Form.....oblong.....ovate.....ovoid Attachment.....sessile.....funiculate Coats Surface, a., b., c.,
Calyx, Corolla Gamopetalous Gamopetalous.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....galeate.....ringent.....peronate.....spurred.....inlateral.....saccate	Pistil.....closed.....open.....simple.....multiple.....compound Stigma Position.....terminal.....lateral.....sessile Form.....disoid.....obovate.....bilobed.....filiform.....linear Style Form.....filiform.....branching.....decurvate Position.....terminal.....lateral.....basilar Number, a., b., c., Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form Surface, a., b., c., Gen. Features	FRUIT Dehiscence.....septal.....loculifragal.....circumscissile Kinds Fleshy.....berry.....pepo.....pome Stone.....drupe Dry.....achennium.....utricule.....samarra.....baccate.....legume.....capsule.....silique.....silicle.....pyxis Aggregatio.....Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent	FRUIT Dehiscence.....septal.....loculifragal.....circumscissile Kinds Fleshy.....berry.....pepo.....pome Stone.....drupe Dry.....achennium.....utricule.....samarra.....baccate.....legume.....capsule.....silique.....silicle.....pyxis Aggregatio.....Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....coriaceous.....succulent
Berrier.....tomentose.....reticulate.....lobed.....deltoid.....aperted Fibrous.....cup.....ovoid.....avoids.....bristles	Stamens Number.....alternate.....opposite Location.....hypogynous.....epigynous.....epiantherous.....on a disk.....epipetalous Length.....long.....short.....dichotomous.....capitulumous Cohesion.....accliphous.....syngenesious Gen. Features.....included.....exserted.....sessile.....connivent Filament Form.....capillary.....filiform Surface, a., b., c., Anther Attachment.....imbricate.....adnate	Albumen Quantity Texture Color Embryo form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Echate Direction Length Flumid Number Position Coryleous Form Size, Number Texture	Albumen Quantity Texture Color Embryo form.....straight.....bent.....rolled Size Position as to Albumen.....outside.....inside Echate Direction Length Flumid Number Position Coryleous Form Size, Number Texture
Polyptelous Polypetalousrosaceousfiliceouscruciferouseryophyllaceouspapilionaceousanomalous Durationdeciduousmarcescentpersistent Colorcalyxcorolla Surfacecalyxribbednervedcorollathroat Texture	Remarks:chauffy Texturechauffy Texture

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{ COMMON,

LOCALITY, DATE, 187.....

CHECK TABLET.

<p>GENERAL FEATURES.</p> <p>Habit.....terrestrial</p> <p>.....aquatic</p> <p>.....parasitic</p> <p>.....aerial</p> <p>Duration.....annual</p> <p>.....biennial</p> <p>.....perennial</p> <p>Odor.....</p> <p>Juice.....</p> <p>Color.....</p> <p>Taste.....</p> <p>Gen. Char.</p> <p>ROOT.</p> <p>Form.....conical</p> <p>.....fusiform</p> <p>.....nupiform</p> <p>.....rhapese</p> <p>.....solvent</p> <p>.....fibrous</p> <p>.....fasciculate</p> <p>.....aerial</p>	<p>.....hollow</p> <p>.....fleshy</p> <p>.....geminate</p> <p>.....tantal joint</p> <p>.....a.....b.....c</p> <p>Surface.....ovate</p> <p>.....color.....</p> <p>Height.....</p> <p>Underside.....round</p> <p>.....hizomat</p> <p>.....corn</p> <p>.....tuber</p> <p>.....bulb</p> <p>LEAVES.</p> <p>Kinds.....sessile</p> <p>.....p. obtuse</p> <p>.....stipulate</p> <p>.....exstipulate</p> <p>.....equitant</p> <p>Arrangement.....</p> <p>On the Stem.</p> <p>.....cauline</p> <p>.....radical</p> <p>Along the Axis......</p> <p>.....scattered</p> <p>.....rotulate</p> <p>.....fasciculate</p> <p>.....opposite</p> <p>.....verticillate</p> <p>Duration.....persistent</p> <p>.....deciduous</p> <p>Vernation.....</p> <p>Texture.....succulent</p> <p>.....cordaceous</p> <p>.....entire</p> <p>.....cuneate</p> <p>.....obovate</p> <p>.....reniform</p> <p>.....obovate</p> <p>.....oblong</p> <p>.....reniform</p> <p>.....ovate</p> <p>.....trilobed</p> <p>.....3-nerved</p> <p>.....5-nerved</p> <p>.....radiate</p> <p>Form......</p> <p>Compound......</p> <p>.....pinuate</p> <p>.....palmate</p> <p>.....foliate</p> <p>Simple, Leaflets</p> <p>Gen., Outline.....</p> <p>.....acicular</p> <p>.....accrose</p> <p>.....subulate</p> <p>.....linear</p> <p>.....lanceolate</p> <p>.....oblanccolate</p>	<p>.....spatulate</p> <p>.....oblong</p> <p>.....elliptical</p> <p>.....oval</p> <p>.....round</p> <p>.....ovate</p> <p>.....cuneate</p> <p>Base.....</p> <p>.....acuminate</p> <p>.....acute</p> <p>.....obtuse</p> <p>.....truncate</p> <p>.....retruse</p> <p>.....emarginate</p> <p>.....cordate</p> <p>.....auriculate</p> <p>.....sagittate</p> <p>.....hastate</p> <p>.....peltate</p> <p>.....reniform</p> <p>.....clasping</p> <p>.....combrate</p> <p>.....decurrent</p> <p>.....</p> <p>Append.....</p> <p>.....acuminate</p> <p>.....acute</p> <p>.....obtuse</p> <p>.....truncate</p> <p>.....retruse</p> <p>.....emarginate</p> <p>.....cordate</p> <p>.....auriculate</p> <p>.....sagittate</p> <p>.....hastate</p> <p>.....peltate</p> <p>.....reniform</p> <p>.....clasping</p> <p>.....combrate</p> <p>.....decurrent</p> <p>.....</p> <p>C.....</p> <p>.....acuminate</p> <p>.....acute</p> <p>.....obtuse</p> <p>.....truncate</p> <p>.....retruse</p> <p>.....emarginate</p> <p>.....cordate</p> <p>.....auriculate</p> <p>.....sagittate</p> <p>.....hastate</p> <p>.....peltate</p> <p>.....reniform</p> <p>.....clasping</p> <p>.....combrate</p> <p>.....decurrent</p> <p>.....</p>	<p>.....4.....villous</p> <p>.....5.....silty</p> <p>.....6.....wooly</p> <p>.....7.....velvety</p> <p>SHR Hairs.....</p> <p>.....scabrous</p> <p>.....hispid</p> <p>.....ciliate</p> <p>.....spinous</p> <p>.....prickly</p> <p>Petiole.....</p> <p>Form.....terete</p> <p>.....retruse</p> <p>.....compressed</p> <p>.....leaf-like</p> <p>Head.....</p> <p>.....margined</p> <p>.....clasping</p> <p>.....sheathing</p> <p>Surface.....a.....b.....c.....d.....e</p> <p>Stipules.....</p> <p>.....Form.....</p> <p>.....a.....b.....c.....d.....e</p> <p>Adhesion.....</p> <p>.....free</p> <p>.....adnate</p> <p>.....clasping</p> <p>Gen. Character.....</p> <p>.....membranous</p> <p>.....fasciculous</p> <p>.....spinous</p> <p>.....setaceous</p> <p>Duration.....</p> <p>.....persistent</p> <p>.....deciduous</p> <p>.....longeous</p> <p>BRACTS.....</p> <p>Form......</p> <p>.....a.....b.....c.....d.....e</p> <p>Surface.....a.....b.....c.....d.....e</p> <p>.....ven. character.....</p> <p>.....rotaceous</p> <p>.....petaloidous</p> <p>.....membranous</p> <p>.....spinous</p> <p>INFLORES......</p> <p>Gen. Character.....</p> <p>.....terminal</p> <p>.....solitary</p> <p>.....racemose</p> <p>.....corimb</p> <p>.....umbel</p> <p>.....panicle</p> <p>.....thyrsus</p> <p>.....spike</p> <p>.....sradix</p> <p>.....catkin</p> <p>.....head</p> <p>Axillary.....</p> <p>.....solitary</p> <p>.....racemose</p> <p>.....corimb</p> <p>.....umbel</p> <p>.....panicle</p> <p>.....thyrsus</p> <p>.....spike</p> <p>.....sradix</p> <p>.....catkin</p> <p>.....head</p>	<p>.....symmetrical</p> <p>.....complete</p> <p>.....perfect</p> <p>.....regular</p> <p>.....staminate</p> <p>.....pistillate</p> <p>.....neutral</p> <p>Odor.....</p> <p>Plan.....</p> <p>.....merous</p> <p>Stalk.....</p> <p>.....peduncle</p> <p>Length.....</p> <p>Surface.....a.....b.....c.....</p> <p>Fedical.....</p> <p>Length.....</p> <p>Height.....</p> <p>.....cup-shaped</p> <p>.....hemispherical</p> <p>.....bell-shaped</p> <p>.....cyathinca</p> <p>.....conical</p> <p>.....ovoid</p> <p>Scales.....</p> <p>No. of rows......</p> <p>Number......</p> <p>Direction......</p> <p>.....erect</p> <p>.....spreading</p> <p>.....relexed</p> <p>Form.....a.....b.....c.....d.....e</p> <p>Surface.....a.....b.....c.....</p> <p>Texture.....</p> <p>.....petaloidous</p> <p>.....foliaceous</p> <p>.....scariosus</p> <p>.....spinosus</p> <p>.....rigid</p> <p>.....cluffy</p> <p>Receptacle.....</p> <p>.....urn-shaped</p> <p>.....concave</p> <p>.....flat</p> <p>.....cylindrical</p> <p>.....elongated</p> <p>.....conical</p> <p>.....convex</p> <p>.....hemispherical</p> <p>Disk......</p> <p>.....hypogynous</p> <p>.....perigynous</p> <p>.....epigynous</p> <p>Surface.....</p> <p>.....naked</p> <p>.....smooth</p> <p>.....punctate</p> <p>.....alveolate</p> <p>.....bristly</p> <p>FLOWER.</p> <p>Kinds.....</p> <p>.....No Hairs</p> <p>.....glabrous</p> <p>.....glanous</p> <p>.....punctate</p> <p>.....verrucose</p> <p>.....Saf. Hairs</p> <p>.....puberulent</p> <p>.....pilosus</p> <p>.....pubescent</p>
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..... chafly Texture sessile Sopals, Totals versatile introrse extrorse pendulous Form included exserted Surface, a. b. c.
Calyx, Corolla	..... sepals spreading reflexed	..... sagittate pellate awned cordate lobed	..... free-veined axillary artificial	..... Gen. Character
Gamopetalous	..... petals Form	..... No. of Cells Dehiscence	.....	..... SEED
..... saucer-shaped	..... a. b. c. d.	..... lateral	.....	..... Number
..... campanulate	..... d.	..... Pollen	.....	..... Form
..... limbed form	.....	..... Pollinia	.....	..... Coats
..... slyver-form	.....	Pistil	.....	..... Surface, a. b. c.
..... top-shaped	.....	..... Kinda	.....	..... Color
..... tubular	Aestivation	..... closed	.....	..... Texture
..... limbate	..... open	..... open	.....	..... Appendages
..... glabrate	..... imbricate	..... simple	.....	..... Form
..... fringed	..... convolute	..... multiple	.....	..... Attachment
..... personate	..... phragma	..... compound	.....	..... Coats
..... spurred	..... supervent	.....	.....	..... Surface, a. b. c.
..... inflated	.....	.....	.....	..... Color
..... striate	.....	.....	.....	..... Quantity
Doctor	.....	Stamens	.....	..... Measure
..... truncate	.....	..... Number	.....	..... Color
..... centre	.....	..... position	.....	..... Form
..... lobed	.....	..... alternate	.....	..... Straight
..... parted	.....	..... opposite	.....	..... Belted
..... cup	.....	.....	.....	..... rolled
..... scales	.....	.....	.....	..... Size
..... avers	.....	.....	.....	..... Position
..... bristles	.....	.....	.....	..... Outside
Polycephalus	.....	.....	.....	..... Inside
..... sessaceous	.....	.....	.....	..... Eradicle
..... filicaceous	.....	.....	.....	..... Length
..... cruciferous	.....	.....	.....	..... Flumule
..... caryophyllaceous	.....	.....	.....	..... Number
..... papilionaceous	.....	.....	.....	..... Position
..... monomalous	.....	.....	.....	..... Cozyctopus
Duration	.....	.....	.....	..... Form
..... deciduous	.....	.....	.....	..... Multiple
..... marcescent	.....	.....	.....	..... No. of Cells
..... persistent	.....	.....	.....	..... Odor
Color	.....	.....	.....	..... Taste
..... calyx Texture
..... corolla
Surface
..... calyx
..... ribbed
..... nerved
..... corolla
..... throat
Texture

REMARKS:

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CHECK TABLE.

GENERAL FEATURES	hollow	8	spatulate	4	villos	symmetrical
Habit.	flexuose	9	oblong	5	sticky	complete
terrestrial	geminate	10	elliptical	6	wooly	perfect
aquatic	ramid joint	11	oval	7	velvety	regular
parasitic .....	.....	12	round	8	.....	staminate
Surface	a, b, c	13	ovate	9	Soft Hairs	pusulate
Color	.....	14	obovate	10	.....	neatral
Height	.....	15	cuneate	11	.....
Underground	.....	16	.....	12	.....
rhizoma .....	.....	17	.....	13	.....
.....	.....	18	.....	14	.....
.....	.....	19	.....	15	.....
.....	.....	20	.....	16	.....
Odor	taber	21	.....	17	.....	Odor
.....	bulb	22	.....	18	.....	Plan
.....	.....	23	.....	19	.....	Form
Juice	LEAVES.	24	.....	20	.....	Stalk
Taste	Kinds	25	.....	21	.....	Form
Gen. Char.	sessile	26	.....	22	.....	Length
ROOT.	p. crotilate	27	.....	23	.....	Surface, a, b, c, e
Form	exspatulate	28	.....	24	.....	Length
conical .....	.....	29	.....	25	.....	Height
fusiform .....	.....	30	.....	26	.....	Surface, a, b, c, e
napiform .....	.....	31	.....	27	.....	Length
ranose .....	.....	32	.....	28	.....	Height
solvent .....	.....	33	.....	29	.....	Surface
fibrous .....	.....	34	.....	30	.....	Length
fasciculate .....	.....	35	.....	31	.....	Height
aerial .....	.....	36	.....	32	.....	Surface
Gen. Char.	alternatae	37	.....	33	.....	Length
.....	scattered	38	.....	34	.....	Height
.....	.....	39	.....	35	.....	Surface
.....	.....	40	.....	36	.....	Length
.....	.....	41	.....	37	.....	Height
STEM.	.....	42	.....	38	.....	Surface
exogenous .....	.....	43	.....	39	.....	Length
endogenous .....	.....	44	.....	40	.....	Height
Nature	.....	45	.....	41	.....	Surface
herbaceous .....	.....	46	.....	42	.....	Length
suffruticose .....	.....	47	.....	43	.....	Height
suffruticose .....	.....	48	.....	44	.....	Surface
rhizosecent .....	.....	49	.....	45	.....	Length
athoraceous .....	.....	50	.....	46	.....	Height
erect .....	.....	51	.....	47	.....	Surface
diffuse .....	.....	52	.....	48	.....	Length
decumbent .....	.....	53	.....	49	.....	Height
prostrate .....	.....	54	.....	50	.....	Surface
creeping .....	.....	55	.....	51	.....	Length
climbing .....	.....	56	.....	52	.....	Height
twining .....	.....	57	.....	53	.....	Surface
twining .....	.....	58	.....	54	.....	Length
simple .....	.....	59	.....	55	.....	Height
simple .....	.....	60	.....	56	.....	Surface
furcate .....	.....	61	.....	57	.....	Length
excurrent .....	.....	62	.....	58	.....	Height
racemose .....	.....	63	.....	59	.....	Surface
paniculate .....	.....	64	.....	60	.....	Length
.....	.....	65	.....	61	.....	Height
.....	.....	66	.....	62	.....	Surface
.....	.....	67	.....	63	.....	Length
.....	.....	68	.....	64	.....	Height
.....	.....	69	.....	65	.....	Surface
.....	.....	70	.....	66	.....	Length
.....	.....	71	.....	67	.....	Height
.....	.....	72	.....	68	.....	Surface
.....	.....	73	.....	69	.....	Length
.....	.....	74	.....	70	.....	Height
.....	.....	75	.....	71	.....	Surface
.....	.....	76	.....	72	.....	Length
.....	.....	77	.....	73	.....	Height
.....	.....	78	.....	74	.....	Surface
.....	.....	79	.....	75	.....	Length
.....	.....	80	.....	76	.....	Height
.....	.....	81	.....	77	.....	Surface
.....	.....	82	.....	78	.....	Length
.....	.....	83	.....	79	.....	Height
.....	.....	84	.....	80	.....	Surface
.....	.....	85	.....	81	.....	Length
.....	.....	86	.....	82	.....	Height
.....	.....	87	.....	83	.....	Surface
.....	.....	88	.....	84	.....	Length
.....	.....	89	.....	85	.....	Height
.....	.....	90	.....	86	.....	Surface
.....	.....	91	.....	87	.....	Length
.....	.....	92	.....	88	.....	Height
.....	.....	93	.....	89	.....	Surface
.....	.....	94	.....	90	.....	Length
.....	.....	95	.....	91	.....	Height
.....	.....	96	.....	92	.....	Surface
.....	.....	97	.....	93	.....	Length
.....	.....	98	.....	94	.....	Height
.....	.....	99	.....	95	.....	Surface
.....	.....	100	.....	96	.....	Length

FLOWER
Kinds

..... chaffy Texture	..... sessile spreading reflexed	..... sessile introrse extrorse pendulous Form sagittate pedicel ovate cordate <i>Deltoidea</i> lateral	..... included exserted	..... Surface <i>a. b. c.</i> Color Gen. Character ribbed grooved furrowed
Calyx. Corolla gamosepalous Gamopetalous foliate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate lobate glabrate rugulate ringent persomate spurred indented saccate	..... sessile open involucre reduplicate imbricate contorted convolute plicate supervolv.	..... No. of Cells <i>Deltoidea</i> lateral	Ovules And orthotropous campylotropous anatropous amphitropous Dr. in Ovary erect ascending horizontal pendulous suspended	Form obovate ovate ovoid
Stamens Number Position alternate opposite Isopertic hypogynous perigynous epigynous gynandrous on a disk sepipetalous	..... Folium Petalium Pistil Kind closed open Cohesion simple multiple compound	..... <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number
Stamens Number Position alternate opposite Isopertic hypogynous perigynous epigynous gynandrous on a disk sepipetalous	..... Folium Petalium Pistil Kind closed open Cohesion simple multiple compound	..... <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number
Border truncate entire lobed cleft parted Pappus cup scales awns bristles	..... Folium Petalium Pistil Kind closed open Cohesion simple multiple compound	..... <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number
Prosepal us Polypterals ruscaceous filiceous cruciferous Caryophyllaceous papilionaceous monadelphous	..... Folium Petalium Pistil Kind closed open Cohesion simple multiple compound	..... <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number
Duration deciduous marcescent persistent Color calyx corolla Sarriace calyx ribbed herved corolla throat	..... Folium Petalium Pistil Kind closed open Cohesion simple multiple compound	..... <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number
Texture Folium Petalium Pistil Kind closed open Cohesion simple multiple compound <i>Deltoidea</i> lateral	Attachment sessile funiculate	SEED Number

REMARKS:

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 { COMMON,
 LOCALITY, DATE, 187.....

CHECK TABLE.

GENERAL FEATURES.	hollow	8 spatulate	filices	1 filices	symmetric, d
Habit.	flexuose	9 on long	geniculate	2 silky	complete
	terrestrial	10 elliptical	terminal joint	3 woolly	perfect
	aquatic	11 oval	at base	4 velvety	pedicel
	parasitic	12 truncate		5	pubescent
	terrestrial	13 ovate		6	pubescent
Duration	annual	14 obovate	Surface	7 scarious	pubescent
	bisannual	15 cucurbit		8 hispid	pubescent
	biennial	16		9	pubescent
	perennial	17		10	pubescent
Odor		Base		11	pubescent
Juice		1 acuminat	Petiole	12	pubescent
Color		2 acute	Fern	13	pubescent
Gen. Char.		3 obtuse	Stalk	14	pubescent
Form		4 truncate	Length	15	pubescent
		5 emarginate		16	pubescent
		6 cordate		17	pubescent
		7 auriculate		18	pubescent
		8 hastate		19	pubescent
		9 pedate		20	pubescent
		10 reniform		21	pubescent
		11 clasping		22	pubescent
		12 connate		23	pubescent
		13 decurrent		24	pubescent
		14		25	pubescent
		15		26	pubescent
		16		27	pubescent
		17		28	pubescent
		18		29	pubescent
		19		30	pubescent
		20		31	pubescent
		21		32	pubescent
		22		33	pubescent
		23		34	pubescent
		24		35	pubescent
		25		36	pubescent
		26		37	pubescent
		27		38	pubescent
		28		39	pubescent
		29		40	pubescent
		30		41	pubescent
		31		42	pubescent
		32		43	pubescent
		33		44	pubescent
		34		45	pubescent
		35		46	pubescent
		36		47	pubescent
		37		48	pubescent
		38		49	pubescent
		39		50	pubescent
		40		51	pubescent
		41		52	pubescent
		42		53	pubescent
		43		54	pubescent
		44		55	pubescent
		45		56	pubescent
		46		57	pubescent
		47		58	pubescent
		48		59	pubescent
		49		60	pubescent
		50		61	pubescent
		51		62	pubescent
		52		63	pubescent
		53		64	pubescent
		54		65	pubescent
		55		66	pubescent
		56		67	pubescent
		57		68	pubescent
		58		69	pubescent
		59		70	pubescent
		60		71	pubescent
		61		72	pubescent
		62		73	pubescent
		63		74	pubescent
		64		75	pubescent
		65		76	pubescent
		66		77	pubescent
		67		78	pubescent
		68		79	pubescent
		69		80	pubescent
		70		81	pubescent
		71		82	pubescent
		72		83	pubescent
		73		84	pubescent
		74		85	pubescent
		75		86	pubescent
		76		87	pubescent
		77		88	pubescent
		78		89	pubescent
		79		90	pubescent
		80		91	pubescent
		81		92	pubescent
		82		93	pubescent
		83		94	pubescent
		84		95	pubescent
		85		96	pubescent
		86		97	pubescent
		87		98	pubescent
		88		99	pubescent
		89		100	pubescent

CHECK TABLET.

<p>GENERAL FEATURES.</p> <p>Habit. terrestrial aquatic parasitic aerial</p> <p>Duration annual biennial perennial</p> <p>Odor</p> <p>Juice</p> <p>Color.</p> <p>Gen. Char.</p> <p>ROOT.</p> <p>Form conical fusiform napiform ramose solvent fibrous fasciculate aerial</p> <p>Gen. Char.</p> <p>STEM.</p> <p>exogenous</p> <p>endogenous</p> <p>Nature herbaceous suffruticose suffruticose fruticose arborescent arborescent</p> <p>Dir. of Growth</p>	<p>hollow spatulate villous</p> <p>flexuose oblong silky</p> <p>geniculate elliptical woolly</p> <p>tumid joint oval velvety</p> <p>Surface round</p> <p>a. ovate</p> <p>b. obovate</p> <p>c. concave</p> <p>Color</p> <p>Height</p> <p>Underground</p> <p>rhizome</p> <p>.. corm</p> <p>.. tuber</p> <p>.. bulb</p> <p>LEAVES.</p> <p>Kinds sessile</p> <p>.. petiolate</p> <p>.. stipulate</p> <p>.. exstipulate</p> <p>.. equitant</p> <p>Arrangement</p> <p>On the Stem.</p> <p>.. cauline</p> <p>.. radical</p> <p>.. rhacmal</p> <p>Along the Axis.—</p> <p>.. alternate</p> <p>.. scattered</p> <p>.. fasciculate</p> <p>.. opposite</p> <p>.. verticillate</p> <p>Duration persistent</p> <p>.. deciduous</p> <p>Vernation</p> <p>Texture succulent</p> <p>.. coriaceous</p> <p>.. rugose</p> <p>.. s. t.</p> <p>Venation.</p> <p>.. straight</p> <p>.. curved</p> <p>.. transverse</p> <p>Netted.</p> <p>.. pinnate</p> <p>.. 3-nerved</p> <p>.. 5-nerved</p> <p>.. radiate</p> <p>Form.</p> <p>Compound.</p> <p>.. palmate</p> <p>.. foliate</p> <p>Simple Leaflets</p> <p>Gen. Outline</p> <p>1 actinular</p> <p>2 acerose</p> <p>3 subulate</p> <p>4 linear</p> <p>5 lanceolate</p> <p>6 oblanceolate</p> <p>7</p>	<p>1 villous</p> <p>2 silky</p> <p>3 woolly</p> <p>4 velvety</p> <p>5</p> <p>6 scariosus</p> <p>7 hispid</p> <p>8 aciculate</p> <p>9 spinous</p> <p>10 prickly</p> <p>Stiff Hairs</p> <p>Kind</p> <p>1 marginated</p> <p>2 clasping</p> <p>3 sheathing</p> <p>4 a. b. c.</p> <p>Stipules</p> <p>Form</p> <p>a. b. c. d.</p> <p>Adhesion</p> <p>.. free</p> <p>.. adnate</p> <p>.. clasping</p> <p>.. membranous</p> <p>.. foliaceous</p> <p>.. spinous</p> <p>.. straceous</p> <p>Duration</p> <p>.. persistent</p> <p>.. deciduous</p> <p>.. fugacious</p> <p>BRACTS</p> <p>Form</p> <p>a b c d</p> <p>Surface. a. b. c.</p> <p>Gen. Character</p> <p>.. retiacous</p> <p>.. petalotinous</p> <p>.. membranous</p> <p>.. spinous</p> <p>Terminal</p> <p>Inflorescence</p> <p>Gen. Form</p> <p>.. solitary</p> <p>.. cymose</p> <p>.. fasciculate</p> <p>.. glomerulate</p> <p>.. verticillate</p> <p>Axillary</p> <p>Form</p> <p>.. solitary</p> <p>.. raceme</p> <p>.. corymb</p> <p>.. umbel</p> <p>.. panicle</p> <p>.. thyrsus</p> <p>.. spike</p> <p>.. catkin</p> <p>.. ear</p> <p>.. head</p> <p>FLOWER.</p> <p>Kinds</p> <p>1 pubescent</p> <p>2 pilosus</p> <p>3 pubescent</p>	<p>..... symmetrical</p> <p>..... complete</p> <p>..... perfect</p> <p>..... regular</p> <p>..... staminate</p> <p>..... pistillate</p> <p>..... neutral</p> <p>Odor</p> <p>Plan</p> <p>Stalk</p> <p>Poducule</p> <p>Length.</p> <p>Surface. a. b. c.</p> <p>Length.</p> <p>Height.</p> <p>Surface. a. b. c.</p> <p>Involute</p> <p>.. rosetaceous</p> <p>.. cup-shaped</p> <p>.. hemispherical</p> <p>.. bell-shaped</p> <p>.. cylindrical</p> <p>.. conical</p> <p>.. ovoid</p> <p>Scales</p> <p>No. of rows.</p> <p>Number.</p> <p>Direction.</p> <p>.. appressed</p> <p>.. erect</p> <p>.. spreading</p> <p>.. rhexed</p> <p>Form. a. b. c. d.</p> <p>Surface. a. b. c.</p> <p>Vertical</p> <p>..... petalotinous</p> <p>..... scarious</p> <p>..... spinous</p> <p>..... rigid</p> <p>..... chafly</p> <p>Receptacle</p> <p>Form</p> <p>.. urn-shaped</p> <p>.. concave</p> <p>.. flat</p> <p>.. cylindrical</p> <p>.. elongated</p> <p>.. conical</p> <p>.. convex</p> <p>.. hemispherical</p> <p>Disk</p> <p>..... hypogynous</p> <p>..... perigynous</p> <p>..... epigynous</p> <p>Surface</p> <p>..... naked</p> <p>..... smooth</p> <p>..... punctate</p> <p>..... alveolate</p> <p>..... bristly</p>
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chaffy Texture	Sepals, Petals appressed spreading reflexed	versatile infrorse extrorse pendulous	included exserted	Surface, a, b, c, e.
Calyx-Corolla Gamoscephalous Gamoscalous todate	scapels petals Form a, b, c, d spurred petals a, b, c, d	scapitate petate awned cordate lobate No. of Cells, . . . Dehiscence lateral	free-central axillary parietal	Color Character ribbed grooved furrowed
cup-shaped cumplicate funnel-form salver-form urn-shaped top-shaped	open valvate induplicate reduplicate imbricate contorted convolute pleate supervulv	Pollinia Pistils Tinds Cohesion Yanthe Stigma Position Form disoid subose lobed filiform linear	ascending horizontal pendulous suspended	SEED Number Form oblong ovate ovoid
lobed clit pavel Fagus cup seaus avins bristles	Stamens Number Position Imbricate Hypanthium perigynous epigynous Gynandrium on a disk epipetalous	Stigma Position Form Style Form filiform bracteate deciduate Position terminal lateral basilar Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	erect ascending horizontal pendulous	Attachment sessile bimuculate
trilocular lobate galeate pungent personate spurred filifid secaus	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Coats Surface, a, b, . . . Color Texture
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Appendages circumscissile locifid scissile
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Albumen Quantity Texture Color
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Embryo Form straight bent robed
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Size Position as to Albumen outside inside Rachis Direction Length
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	Flumule Number Position Corydon Form Size Number Texture
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	No. of Cells Odor Taste Pericarp Texture
trilocular entire lobed clit pavel Fagus cup seaus avins bristles	long short didynamous acridynamous Chobition adcliphous syngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform	Number Surface, a, b, c, . . . Ovary Adhesion superior half-superior inferior Form Surface, a, b, c, . . . Gen. Features	circumscissile locifid scissile	membranous coriaceous succulent

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,

LOCALITY, { COMMON,

DATE,

187.

CHECK TABLE.

GENERAL FEATURES

Habit. terrestrial
 aquatic
 parasitic
 acid
Duration annual
 biennial
 perennial

Odor

Color.

Taste.

Gen. Char.

ROOT.

Form

. conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aerenal

Gen. Char.

STEM.

. exogenous
 endogenous
Texture herbaceous
 subherbaceous
 suffruticose
 fruticose
 arborescent

Dir. of Growth

. erect
 ascending
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining

Branching

. simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse
 deliquescent

Special Forms

. suckers
 stolons
 offsets
 runners
 tendrils
 thorns
Gen. Char. terete
 striate
 grooved
 angled.
 solid

. hollow
 flexuose
 geniculate
 elliptical
 oval
 round
Surface spatulate
 oblong
 elliptical
 woody
 velvety

Color

Height obovate
Underground cuticulate
 corn
 tuber
 bulb
 rhizomat

KINDS

. sessile
 petiolate
 stipulate
 ex-stipulate
 equitant
Arrangement cordate
On the Stem auriculate
 hastate
 pedate
 reniform
 clasping
 connate
 decurrent
 alternate.

Along the Axis

. scattered.
 fasciculate
 opposite
 verticillate
Duration persistent
 deciduous
Vernation

Texture

. succulent
 coriaceous
 rugose
 smooth
 striate
 straight
 curved
 transverse

Vein.

. pinnate
 3-nerved
 5-nerved
 radiate
Form. pinnate
 palmate
 lobate

Simple, Leaders

Gen., Outline bifurcated
 bifurcated
 acicular
 acrosc
 subulate
 linear
 lanceolate
 oblanceolate

. villous
 silky
 woolly
 reticulate
Stiff Hairs scabrous
 hispid
 acute
 spinous
 prickly

Petiole

. compressed
 grooved
 reticulate
Form acuminate
 acute
 truncate
 retuse
 emarginate
 cordate
 auriculate
 hastate
 pedate
 reniform
 clasping
 connate
 decurrent

Leaf

. free
 clasping
 membranous
 lanuginous
 spinous
 succous
Duration persistent
 deciduous
BRACIS ligulate
Form a c d e f g h i k l m n o p q r s t u v w x y z

Stipules

. free
 clasping
 membranous
 lanuginous
 spinous
 succous
Duration persistent
 deciduous

Gen. Character

. membranous
 lanuginous
 spinous
 succous
Duration persistent
 deciduous

BRACIS

Form a b c d e f g h i k l m n o p q r s t u v w x y z

INFLORESCENCE

Receptacle solitary
Form urticulate
 cylindrical
 elongated
 conical
 convex
 hemispherical

Axillary

. raceme
 corymb
 umbel
 panicle
 thyrsus
 spike
 raceme
 catkin
 head

FLOWER.

. pubescent
 pilosus
 pubescent

. symmetrical
 complete
 perfect
 regular
 5-merous
 pliscillate
 neutral

Odor

. merous

Stalk

Length peduncle
Surface d e f g h i k l m n o p q r s t u v w x y z

Height

Surface d e f g h i k l m n o p q r s t u v w x y z

Involute

. rosaceous
 cup-shaped
 hemispherical
 hemispherical
 hemispherical
 cylindrical
 conical
 conical
 ovoid.

Scala

No. of rows.
Number.
Direction. spreading
 reflexed
Form a b c d e f g h i k l m n o p q r s t u v w x y z

Receptacle

. petaloidous
 lanuginous
 spinous
 rugate
 striate

Form

. urticulate
 cylindrical
 elongated
 conical
 convex
 hemispherical

Stipules

. hypogynous
 perigynous
 epigynous
 naked
 smooth
 punctate
 alveolate
 bristly

.....chuffy Texture	.....versatile infuse extrose pendulous	.....included exserted	.....Surface, <i>a. b. c.</i>
Calyx, Corolla			
Campanulatus	.....capitate Form	.....pres-entral	.....Color
.....saucer-shaped	.....petals	.....axillary	.....Con. Character
.....cup-shaped	.....sepal	.....fimbriat	.....ribbed
.....campanulate	.....a. b. c. d	.....furrowed	.....grooved
.....funnel-form	.....sturred		.....furrowed
.....sun-ver-form	.....petals		
.....urn-shaped	.....a. b. c. d		
.....top-shaped	Aestivation		SEED
.....tubular	.....obovate		.....Number
.....ligulate	.....vibracte		.....oblong
.....lobate	.....induplicate		.....Form
.....gingerate	.....redufficate		.....antheropous
.....personate	.....imbricate		.....ovate
.....sturred	.....contorted		.....amphitropous
.....indistinct	.....convolute		.....Dir. in Ovary
.....saccate	.....supervivis		.....erect
Border			.....ascending
.....tunicate	Stemens		.....horizontal
.....cuneate	.....Number		.....pendulous
.....lobed	.....feather		.....suspended
.....cleft	.....opposite		.....Coats
.....parted	.....insertion		.....Surface, <i>a. b. c.</i>
Pappus	.....peripappus		.....Color
.....cup	.....epigynous		.....Texture
.....awns	.....gynandrous		
.....bristles	.....on a disk		
Polysepal us	.....epipetalous		
Polypteleus	Length		
.....posaceous	.....long		
.....filaceous	.....short		
.....cruciferous	.....dichotomous		
.....caryophyllaceous	.....tetradynamous		
.....papilionaceous	Cohesion		
.....anomalous	.....adepalous		
Purshian	.....syngenesious		
.....deciduous	Gen. Features		
.....narcissent	.....included		
.....persistent	.....sessile		
Color	.....convivent		
.....calyx	Filament		
.....corolla	.....Form		
.....calyx	.....capillary		
.....ribbed	.....filiform		
.....nerved	.....filiform		
.....corolla	.....adnate		
.....throat	Surface, a. b. 2.		
Texture	.....Anther		
	.....innate		
	.....adnate		
	Gen. Features		
	.....No. of Cells		
	Odor		
	Taste		
	Pericarp		
	.....Texture		
	.....membranous		
	.....cartilaceous		
	.....succulent		

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
{ COMMON,

LOCALITY,

DATE, 187.....

CHECK TABLE.

GENERAL FEATURES.	18	hollow	8	spatulate	4	villous	1	symmetrical
Habit.	9	flexuose	9	oblong	5	silky	5	complete
terrestrial	10	genuiculate	10	elliptical	6	woolly	6	perfect
aquatic =	11	tumid joint	11	ovoid	7	velvety	7	regular
parasitic	12	Surface	12	rotund	7	Stiff Hair	7	staminate
<i>a. b. c.</i>	13	<i>a. b. c.</i>	13	ovate	8	<i>a. b. c.</i>	8	psilate
Duration	14	Color	14	obovate	8	<i>a. b. c.</i>	8	acutate
<i>a. b. c.</i>	15	Height	15	cuneate	3	<i>a. b. c.</i>	3	<i>a. b. c.</i>
<i>a. b. c.</i>	16	Underground	16	<i>a. b. c.</i>	4	<i>a. b. c.</i>	4	<i>a. b. c.</i>
<i>a. b. c.</i>	17	<i>a. b. c.</i>	17	<i>a. b. c.</i>	5	<i>a. b. c.</i>	5	<i>a. b. c.</i>
Odor	b	<i>a. b. c.</i>	b	<i>a. b. c.</i>	5	<i>a. b. c.</i>	5	<i>a. b. c.</i>
Juice	1	<i>a. b. c.</i>	1	<i>a. b. c.</i>	6	<i>a. b. c.</i>	6	<i>a. b. c.</i>
Taste.	2	<i>a. b. c.</i>	2	<i>a. b. c.</i>	7	<i>a. b. c.</i>	7	<i>a. b. c.</i>
Gen. Char.	3	<i>a. b. c.</i>	3	<i>a. b. c.</i>	8	<i>a. b. c.</i>	8	<i>a. b. c.</i>
ROOT.	4	<i>a. b. c.</i>	4	<i>a. b. c.</i>	9	<i>a. b. c.</i>	9	<i>a. b. c.</i>
Form	5	<i>a. b. c.</i>	5	<i>a. b. c.</i>	10	<i>a. b. c.</i>	10	<i>a. b. c.</i>
conical	6	<i>a. b. c.</i>	6	<i>a. b. c.</i>	11	<i>a. b. c.</i>	11	<i>a. b. c.</i>
fusiform	7	<i>a. b. c.</i>	7	<i>a. b. c.</i>	12	<i>a. b. c.</i>	12	<i>a. b. c.</i>
nupiform	8	<i>a. b. c.</i>	8	<i>a. b. c.</i>	13	<i>a. b. c.</i>	13	<i>a. b. c.</i>
ranose	9	<i>a. b. c.</i>	9	<i>a. b. c.</i>	14	<i>a. b. c.</i>	14	<i>a. b. c.</i>
solvent	10	<i>a. b. c.</i>	10	<i>a. b. c.</i>	15	<i>a. b. c.</i>	15	<i>a. b. c.</i>
fibrous	11	<i>a. b. c.</i>	11	<i>a. b. c.</i>	16	<i>a. b. c.</i>	16	<i>a. b. c.</i>
fasciculate	12	<i>a. b. c.</i>	12	<i>a. b. c.</i>	17	<i>a. b. c.</i>	17	<i>a. b. c.</i>
aerial	13	<i>a. b. c.</i>	13	<i>a. b. c.</i>	18	<i>a. b. c.</i>	18	<i>a. b. c.</i>
Gen. Char.	C	<i>a. b. c.</i>	C	<i>a. b. c.</i>	19	<i>a. b. c.</i>	19	<i>a. b. c.</i>
STEM.	1	<i>a. b. c.</i>	1	<i>a. b. c.</i>	20	<i>a. b. c.</i>	20	<i>a. b. c.</i>
exogenous	2	<i>a. b. c.</i>	2	<i>a. b. c.</i>	21	<i>a. b. c.</i>	21	<i>a. b. c.</i>
endogenous	3	<i>a. b. c.</i>	3	<i>a. b. c.</i>	22	<i>a. b. c.</i>	22	<i>a. b. c.</i>
Nature	4	<i>a. b. c.</i>	4	<i>a. b. c.</i>	23	<i>a. b. c.</i>	23	<i>a. b. c.</i>
herbaceous	5	<i>a. b. c.</i>	5	<i>a. b. c.</i>	24	<i>a. b. c.</i>	24	<i>a. b. c.</i>
suffruticose	6	<i>a. b. c.</i>	6	<i>a. b. c.</i>	25	<i>a. b. c.</i>	25	<i>a. b. c.</i>
fruticose	7	<i>a. b. c.</i>	7	<i>a. b. c.</i>	26	<i>a. b. c.</i>	26	<i>a. b. c.</i>
arborescent	8	<i>a. b. c.</i>	8	<i>a. b. c.</i>	27	<i>a. b. c.</i>	27	<i>a. b. c.</i>
arbores	9	<i>a. b. c.</i>	9	<i>a. b. c.</i>	28	<i>a. b. c.</i>	28	<i>a. b. c.</i>
erect	10	<i>a. b. c.</i>	10	<i>a. b. c.</i>	29	<i>a. b. c.</i>	29	<i>a. b. c.</i>
decumbent	11	<i>a. b. c.</i>	11	<i>a. b. c.</i>	30	<i>a. b. c.</i>	30	<i>a. b. c.</i>
diffuse	12	<i>a. b. c.</i>	12	<i>a. b. c.</i>	31	<i>a. b. c.</i>	31	<i>a. b. c.</i>
prostrate	13	<i>a. b. c.</i>	13	<i>a. b. c.</i>	32	<i>a. b. c.</i>	32	<i>a. b. c.</i>
creeping	14	<i>a. b. c.</i>	14	<i>a. b. c.</i>	33	<i>a. b. c.</i>	33	<i>a. b. c.</i>
climbing	15	<i>a. b. c.</i>	15	<i>a. b. c.</i>	34	<i>a. b. c.</i>	34	<i>a. b. c.</i>
twining	16	<i>a. b. c.</i>	16	<i>a. b. c.</i>	35	<i>a. b. c.</i>	35	<i>a. b. c.</i>
Branching	17	<i>a. b. c.</i>	17	<i>a. b. c.</i>	36	<i>a. b. c.</i>	36	<i>a. b. c.</i>
simple	18	<i>a. b. c.</i>	18	<i>a. b. c.</i>	37	<i>a. b. c.</i>	37	<i>a. b. c.</i>
furcate	19	<i>a. b. c.</i>	19	<i>a. b. c.</i>	38	<i>a. b. c.</i>	38	<i>a. b. c.</i>
excurrent	20	<i>a. b. c.</i>	20	<i>a. b. c.</i>	39	<i>a. b. c.</i>	39	<i>a. b. c.</i>
paniculate	21	<i>a. b. c.</i>	21	<i>a. b. c.</i>	40	<i>a. b. c.</i>	40	<i>a. b. c.</i>
corymbose	22	<i>a. b. c.</i>	22	<i>a. b. c.</i>	41	<i>a. b. c.</i>	41	<i>a. b. c.</i>
deliquescent	23	<i>a. b. c.</i>	23	<i>a. b. c.</i>	42	<i>a. b. c.</i>	42	<i>a. b. c.</i>
Special Forms	24	<i>a. b. c.</i>	24	<i>a. b. c.</i>	43	<i>a. b. c.</i>	43	<i>a. b. c.</i>
strobili	25	<i>a. b. c.</i>	25	<i>a. b. c.</i>	44	<i>a. b. c.</i>	44	<i>a. b. c.</i>
strobils	26	<i>a. b. c.</i>	26	<i>a. b. c.</i>	45	<i>a. b. c.</i>	45	<i>a. b. c.</i>
runners	27	<i>a. b. c.</i>	27	<i>a. b. c.</i>	46	<i>a. b. c.</i>	46	<i>a. b. c.</i>
tendrils	28	<i>a. b. c.</i>	28	<i>a. b. c.</i>	47	<i>a. b. c.</i>	47	<i>a. b. c.</i>
thorns	29	<i>a. b. c.</i>	29	<i>a. b. c.</i>	48	<i>a. b. c.</i>	48	<i>a. b. c.</i>
Gen. Char.	30	<i>a. b. c.</i>	30	<i>a. b. c.</i>	49	<i>a. b. c.</i>	49	<i>a. b. c.</i>
torse	31	<i>a. b. c.</i>	31	<i>a. b. c.</i>	50	<i>a. b. c.</i>	50	<i>a. b. c.</i>
striate	32	<i>a. b. c.</i>	32	<i>a. b. c.</i>	51	<i>a. b. c.</i>	51	<i>a. b. c.</i>
grooved	33	<i>a. b. c.</i>	33	<i>a. b. c.</i>	52	<i>a. b. c.</i>	52	<i>a. b. c.</i>
angled	34	<i>a. b. c.</i>	34	<i>a. b. c.</i>	53	<i>a. b. c.</i>	53	<i>a. b. c.</i>
solid	35	<i>a. b. c.</i>	35	<i>a. b. c.</i>	54	<i>a. b. c.</i>	54	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	55	<i>a. b. c.</i>	55	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	56	<i>a. b. c.</i>	56	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	57	<i>a. b. c.</i>	57	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	58	<i>a. b. c.</i>	58	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	59	<i>a. b. c.</i>	59	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	60	<i>a. b. c.</i>	60	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	61	<i>a. b. c.</i>	61	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	62	<i>a. b. c.</i>	62	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	63	<i>a. b. c.</i>	63	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	64	<i>a. b. c.</i>	64	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	65	<i>a. b. c.</i>	65	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	66	<i>a. b. c.</i>	66	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	67	<i>a. b. c.</i>	67	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	68	<i>a. b. c.</i>	68	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	69	<i>a. b. c.</i>	69	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	70	<i>a. b. c.</i>	70	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	71	<i>a. b. c.</i>	71	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	72	<i>a. b. c.</i>	72	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	73	<i>a. b. c.</i>	73	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	74	<i>a. b. c.</i>	74	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	75	<i>a. b. c.</i>	75	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	76	<i>a. b. c.</i>	76	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	77	<i>a. b. c.</i>	77	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	78	<i>a. b. c.</i>	78	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	79	<i>a. b. c.</i>	79	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	80	<i>a. b. c.</i>	80	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	81	<i>a. b. c.</i>	81	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	82	<i>a. b. c.</i>	82	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	83	<i>a. b. c.</i>	83	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	84	<i>a. b. c.</i>	84	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	85	<i>a. b. c.</i>	85	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	86	<i>a. b. c.</i>	86	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	87	<i>a. b. c.</i>	87	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	88	<i>a. b. c.</i>	88	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	89	<i>a. b. c.</i>	89	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	90	<i>a. b. c.</i>	90	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	91	<i>a. b. c.</i>	91	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	92	<i>a. b. c.</i>	92	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	93	<i>a. b. c.</i>	93	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	94	<i>a. b. c.</i>	94	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	95	<i>a. b. c.</i>	95	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	96	<i>a. b. c.</i>	96	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	97	<i>a. b. c.</i>	97	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	98	<i>a. b. c.</i>	98	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	99	<i>a. b. c.</i>	99	<i>a. b. c.</i>
		<i>a. b. c.</i>		<i>a. b. c.</i>	100	<i>a. b. c.</i>	100	<i>a. b. c.</i>

...chaffy Texture	included exserted	Surface, <i>a., b., c.</i>
Calyx, Corolla <i>G. amsepalosa</i> Gampotcalab	Paniculation rec-central axillary parietal	Gen. Character grooved furrowed
rotate saucer-shaped cup-shaped campanulate tunnel-form silver-form urn-shaped top-shaped	Ovules Kind orthotropous campylotropous anatropous ambipropous	SEED Number Form oblong ovate ovoid
tubular ligulate habitate galeate ringent personate spurred indated saccate	Dir. in Ovary direct ascending horizontal pendulous suspended	Attachment sessile funiculate
Barber truncate entire 5-toothed cleft parted	Number Kinds closed open simple multiple compound	Coats Color <i>a., b., c.</i> Texture
Pappus cap scales awns bristles	Dehiscence septicidal loculicidal scitiform circumscissile	ApPendages aril caruncle strophole wing coma
Polypetal us Polypetalous	Kinds Nosey berry pepo pome	Albumen quantity Texture Color
filicaceous flutecous cudiferous curcophyllicaceous papilionaceous anomalous	Some drupe	Embryo Form straight bent rolled
Duration deciduous marcescent persistent	Dry achnium uricle square foliote legume capsule silique silicle pyxis	Position as to Albumen outside inside
Color calyx corolla Sarcoc calyx ribbed herved corolla throat	Aggregate Accessory Multiple	Direction Length Flumule Number Position Coryledon Form
Texture	No. of Cells Odor Taste Pericarp Texture	Size Number Texture
	Form membranous cartaceous succulent	

REMARKS:

ORDER:

{ SCIENTIFIC,

Name, } COMMON,

LOCALITY,

DATE,

No.

187.

chaffy texture	Sopalis, Petale apical spreading reflexed	versatile introrse extrorse conduplicate	in bud closed
Calyx-Corolla G. uncapitular Gamopetalous	sepal petal form	sessile petate inward corolate lobed	Flaccidation sessile filiform parted
saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped	petals c. d. spurred petals c. d.	sessile petate inward corolate lobed	SEED Number
tubular ligulate lobate lobate sagittate ringent personate spurred indented saccate	No. of Cells Delicence	sessile petate inward corolate lobed	Form oblong ovate ovoid
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Attachment sessile oblong ovate ovoid
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Color Turgid Turgid
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Appendages anther style style anther
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Albumen quantity Texture Color
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Embryo Form straight bent
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Position as to Albumen outside inside
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Direction Length Fluamulo Position Number
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Aggregate Accessory Multiple
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Corymbos Form
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Size Number Texture
Stamens Number Position Insertion Innervation perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Odor Taste Pericarp
alter-nate opposite hypogynous perigonous stylar on a disk epipetalous	Pollin Pellinia Pistil kinds Cohesion Number	sessile petate inward corolate lobed	Texture membranous coriaceous succulent

REMARKS:

ORDER: No.

Name } SCIENTIFIC,

 } COMMON,

LOCALITY, DATE, 187

CHECK TABLET.

GENERAL FEATURES.	8 hollow	9 spatulate	4 villous symmetrical
Habit.	10 flexuose	10 onlong	5 silky complete
..... terrestrial	11 geniculate	11 cliffrical	6 wooly perfect
..... aquatic	12 tumid joint	12 oval	7 velvety regular
..... parasitic	Surface	13 round	8 stipitate pustillate
..... acrid	a c	14 ovate leaf-like neutral
Duration	Color	15 obovate	Stiff Hairs	
..... annual	Height	16 concave	1 scarious	
..... biennial	Underground	17 cuneate	2 hispid	
..... perennial rhizoma	Bases	3 spinous	
 corm	b acuminat	4 prickly	
Odor tuber	2 acute	Petiole	
 bulb	3 obtuse	Form	
Juice sessile	4 truncat terete	
Color p etiolate	5 retuse grooved	
Gen. Char. stipulate	6 emarginat compressed	
ROOT. scutipulate	7 cordate leaf-like	
Form equitant	8 auriculate	Kind	
..... conical scattered	9 sagitate margined	
..... fusiform rosetate	10 hastate clasping	
..... napiform fasciculate	11 pedate sheathing	
..... ramose opposite	12 reniform leaf-like	
..... solvent verticillate	13 clasping	Surface	
..... fibrous	Arrangement	14 connate	a d	
..... fasciculate	On the Stem.	15 decurrent	Length.	
..... acrid radical	16 decurrent rosaceous	
	Along the Axis.	17 decurrent cup-shaped	
 alternate.	18 decurrent hemispherical	
 scattered	19 decurrent bulb-shaped	
Gen. Char. opposite	20 decurrent cylindrical	
 fasciculate	C conical	
 verticillate acute ovoid	
ature	Duration	1 acute		
..... suffruticose persistent	2 obtuse		
..... trifurcate deciduous	3 obtuse		
..... trifurcate deciduous	4 truncat		
..... arborescent	Vernation	5 retuse		
..... arborescent alternate.	6 emarginat		
..... arborescent scattered	7 obturdate		
Dir. of Growth rosetate	8 spatulate		
..... erect fasciculate	9 mucronate		
..... decumbent opposite	10 aristate		
..... diffruse verticillate	Morphology		
..... prostrate	Duration revolute		
..... climbing persistent	2 serrate		
..... twining deciduous	3 dentate		
..... simple deciduous	4 crenate		
..... furcate deciduous	5 serrate		
..... excurrent	Vernation	6 crenate		
..... racemose alternate.	7 sinuata		
..... paniculate scattered	8 incised		
..... corymbose deciduous	9 fringed		
..... diffuse deciduous	10 ciliate		
..... deliquescent	Form.	11 serrulate		
Special Forms pinnate	12 lobed		
..... suckers palmate	13 cleft		
..... obolets foliate	14 parted		
runners	Simple, Leiflets	15 pectinate		
..... tendrils	a Gen. <i>Outline</i>	16 lyrate		
..... thorns	1 fliform	17 runcinate		
..... teretic	2 acicular	18 divided		
..... striate	3 acrose	Surface		
..... grooved	4 subulate	a No Hairs		
..... angled.	5 linear	1 glabrous		
..... solid	6 lanceolate	2 punctate		
	7 oblanceolate	3 punctate		
		4 verrucose		
		5 ciliate		
		6 puberulent		
		7 piloses		
		8 pubescent		
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..... chaffy Texture				 included exserted included exserted	
Calyx, Corolla Gymnocarpous Campocarpous					Flacotation free-central axillary arterial	Color Gen. Character ribbed grooved furrowed	Surface, a., b., c.
..... scar-shaped cup-shaped campanulate tubular form spheriform urn-shaped top-shaped	Sepala, Petals appressed spreading reflexed	..... versatile introrse pendulous Form sagittate pedate cordate ovate				SEED Number	
..... a., b., c., d. petals	Form a., b., c., d. spurred petals	No. of Cells Delicescence lateral				Form orthotropous campylotrous anatropous amphitropous	
Aestivation vivante raduplicate imbricate contorted chorlate plicately supervertical	Folion Folium	Pistil Kinds closed open Cohesion simple multiple compound				Dir. in Ovary erect ascending horizontal pendulous suspended	
Stamens Number alternate opposite Insertion hypogynous perigynous epigynous synandrous on a disk epipetalous		Number Stigma				Coats Surface a., b., c., d.	
..... length long short didynamous tetradynamous Cohesion adiphalous syngenesious	Form discoid globose lobed filiform linear					Attachment sessile funiculate	
Gen. Features included exserted sessile comivent	Position terminal lateral basal					Coats Color	
Filament Form capillary filiform	Number Surface, a., b., c.					Albumen Quantity Texture	
Surface, a., b., c., d. Attachment imbricate imbricate	Ovary Adhesion superior half-superior inferior					Embryo Form straight bent rolled	
Texture	No. of Cells Form					Size Position as to Albumen outside inside Radicle	

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
 } COMMON,
LOCALITY, DATE, 187.

.....chuffy Textureversatileinfrorseextorsependulous Formsagittatepellateovoidcordate No. of Cells, Dehiscencelateral Pollen Pollinia Pistilclosedopensimplemultiple Number Stamens Number Panicle Insertionoppositehypogynousepigynousgynandrouson a diskepipetalous Lengthlongshortdichotomoustetradynamous Cohesionadelphoussyngenesious Gen. Featuresincludedsessileconnivent Filament Formcapillaryfiliform Surface <i>a. b. c.</i> Attachmentimbricateincludedexserted Flaccidationfree-centralaxillarypericardial Ovules Kindorthotropouscampylotropousanatropousamphitropous Dir. in Ovaryerectascendinghorizontalpenduloussuspicious FRUIT Dehiscencescapularlocusticalcircumscissile KINDS Fleshyberrypepopome Shapesyrpe DryacheniumutricleSamarafoliulelegumecapsulesiliquasiliclepyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarpmembranouscontiguoussucculentchilly Texture Calyx-Corolla Gamopetalouslobatesaucer-shapedcampanulatefunnel-formsalver-formurn-shapedtop-shapedtubularligulatelobateringentpersonatespurredinfundibuliformsaccate Bordertruncateentirelobedcleft Pappuscupscalesawnsbristles Po. tropical us Polyperalsrosaceousfiliceouscruciferouscaryophyllaceouspapilionaceousanomalous Directiondeciduousmarcescentpersistent Colorcalyxcorolla Surfacecalyxribbednervedcorollathroat Texture	Surface <i>a. b. c.</i> Color Gen. Characterribbedgroovedfurrowed SEED Number Formoblongovoid Attachmentsessilelenticulate Coats Surface <i>a. b. c.</i> Color Texture Appendagesrunculestraphilodewingcoma Albumenquantity Texture Color Embryo Formstraightbentrolled Size Position as to Albumenoutsideinside Radicle Direction Length Pyramid Number Position Cotyledons Form Size Number Texture
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REMARKS:

ORDER:

Name, } SCIENTIFIC,
 } COMMON,
LOCALITY,

DATE,

187

CHECK TABLET.

GENERAL FEATURES.

- Habit.** terrestrial
aquatic
aerial
Duration
annual
biennial
perennial

- 8 hollow
9 flexuose
10 geminate
11 humid joint
12 **Surface**
a. b. c
13 oval
14 ovate
15 cubate

Odor

Juice

Taste.

Con. Char.

ROOT.

Form.

- conical
fusiform
napiform
ranose
solvent
fibrous
fasciculate
aerial

- 4 villous
5 silky
6 woolly
7 velvety
8 **Stiff hairs**
1 scariosus
2 hispid
3 spinous
4 prickly

Petiole Form

Kind

Surface

Length.

Scale

Involute Form

- 10 toscaceous
11 cup-shaped
12 hemispherical
13 bell-shaped
14 cylindrical
15 conical
16 ovoid

Gen. Char.

STEM.

- exogonous
endogenou

Nature

- herbaceous
suffrutescent
suffruticose
fruticose
arborescent

Dir. of Growth

- erect
ascending
decumbent
diffuse
prostrate
creeping
climbing
twining

Branching

- simple
simple
farcate
accurrent
racemose
paniculate
corymbose
diffuse

Special Forms

- suckers
stolons
offsets
runners
tendrils
thorns

Gen. Char.

- terete
striate
grooved
angled
solid

Along the Axis.—

- 1 alternate
2 rosulate
3 fasciculate
4 opposite
5 verticillate

Duration

- 1 persistent
2 deciduous
3 **Vernation**
4 succulent
5 coriaceous
6 rugose

Texture

- 1 S. obs
2 straight
3 straight
4 curved
5 transverse
6 **Netted.**
7 pinnate
8 3-nerved
9 5-nerved
10 radiate

Form.

- 1 compound
2 palmate
3 palmate
4 foliate

Simple, Leaflets

- 1 *Gen. Outline*
2 filiform
3 acicular
4 acrose
5 subulate
6 linear
7 lanceolate
8 oblanccolate

Surface

- 1 glabrous
2 glabrous
3 punctate
4 verrucose
5 **Soft Hairs**
1 pubescent
2 pilose
3 pubescent

- 1 symmetrical
2 complete
3 perfect
4 exalar
5 staminate
6 pistillate
7 neutral

Odor

Plan

Stalk

Form

Surface.

Length.

Scale

Involute

Form

- 10 toscaceous
11 cup-shaped
12 hemispherical
13 bell-shaped
14 cylindrical
15 conical
16 ovoid

Gen. Char.

- 10 toscaceous
11 cup-shaped
12 hemispherical
13 bell-shaped
14 cylindrical
15 conical
16 ovoid

No. of rows.

Number.

Direction.

Form.

Surface.

Form.

- 10 toscaceous
11 pectolitosus
12 foliaceous
13 scarious
14 spinous
15 pigid
16 chafly

INFLORES.

CENSE.

Receptacle

Form

- 1 arm-shaped
2 concave
3 flat
4 cylindrical
5 elongated
6 conical
7 convex
8 hemispherical

Diak.

- 1 hypogynous
2 perigynous
3 epigynous
4 surface
5 naked
6 smooth
7 punctate
8 alveolate
9 bristly

AXILLARY

- 1 solitary
2 racemose
3 corymb
4 umbel
5 panicle
6 thyrsus
7 spike
8 spatix
9 cassin
10 head

FLOWER.

Kinds

..... chiefly Texture	..... sessile spreading reflexed	..... versatile intense pendulous	..... included exserted	..... Surface, <i>a. b. c.</i> Color Gen. Character	
Calyx. Corolla	..... ..... .....	..... ..... ..... ..... .....	..... ..... ..... .....	..... ..... ..... .....
Campanulaceae	.....	..... .....	..... ..... .....	..... ..... .....
..... saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate galeate ringent perianthate spurred inflated saccate	Stamens Number..... Position..... alternate opposite hypogynous perigynous epigynous gynandrous on a disk lobed epipetalous	Stamens Number..... Position..... terminal lateral sessile ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....
Border	..... truncate entire lobed cleft parted	Pappus ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....
Poysepal us	.....	.....	.....	.....
Polypetalae	..... rosaceous bilabiate cruciferous curculionaceous papilionaceous anomalous	Length long short didynamous tetradynamous....................	................................................................................	................................................................................	................................................................................
Duration	..... deciduous marcescent persistent	Gen. Features included sessile comitant	.......................................................	.......................................................	.......................................................
Color	..... calyx corolla	Filament Form..... capillary filiform	.......................................................	.......................................................	.......................................................
Surface	..... calyx ribbed nerved corolla throat	Anchor Attachment imbricate adnate	.......................................................	.......................................................	.......................................................
Texture	.....	.....	.......................................................	.......................................................	.......................................................
.....
.....
.....
.....
.....

REMARKS :

ORDER :

No.

Name, { SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

187.....

CHECK TABLE.

GENERAL FEATURES.	8 hollow	9 spatulate	7 villous	7 symmetrical
HABIT.	6 flexuose	10 oblong	5 silky	6 complete
	7 cerniculate	10 elliptical	5 woolly	7 pericycle
	8 teretrical	11 oval	7 velvety	8 regular
	9 aquatic	12 round	3 soft	9 staminate
	10 a, b, c	13 ovate	1 scabrous	10 pistillate
	11 aerial	14 obovate	2 hispid	11 neutral
Duration	Underground	15 cuneate	3 carinate	Odor
	12 rhizomat	16 <i>Base</i>	1 spinous	1 mucous
	13 corn	1 acuminat	1 prickly	2 mucron
	14 tuber	2 acute	Petiole	Stalk
	15 bulb	3 obtuse	Form	redunde
Juice	LEAVES.	4 truncat	7 terete	Length
Color	1 sessile	5 renuse	6 compressed	Surface
Taste.	2 p etiolate	6 emarginate	8 leaf-like	<i>a, b, c</i>
Gen. Char.	3 stipulate	7 cordate	9 Kind	Polcel
	4 exstipulate	8 auriculate	10 unpaired	Length
	5 equitant	9 sagittate	11 clasping	Dr. light.
Form.	Arrangemen	10 hastat	12 sheathing	<i>a, b, c</i>
	On the Stem.	11 pedate	Surface	Form
	12 reniform	12 reniform	Length	<i>a, b, c</i>
	13 clasping	13 clasping	Stipules	Form
	14 compound	14 compound	Form	<i>a, b, c, d</i>
	15 decurrent	15 decurrent	<i>a, b, c, e, d</i>	Adnation
	16 <i>Apex</i>	C	Face	Scalae
Gen. Char.	1 scattered	1 acuminat	1 adnate	No. of ribs.
STEM.	2 roseolate	2 acute	1 clasping	Number.
Texture	3 fasciculate	3 obtuse	1 membranous	Direction.
Texture	4 appressed	4 truncat	1 striatous	Form
Duration	5 verticillate	5 renuse	1 striatous	<i>a, b, c</i>
Texture	6 persistent	6 emarginate	1 striatous	Form
Texture	7 deciduous	7 obtusulate	1 deciduous	<i>a, b, c</i>
Texture	8 persistent	8 aristate	1 deciduous	Form
Texture	9 persistent	9 aristate	1 deciduous	<i>a, b, c, d, e</i>
Texture	10 deciduous	10 aristate	1 deciduous	Form
Texture	11 succulent	11 <i>Margia</i>	BRACCS	Form
Texture	12 cartaceous	12 revolv	Form	<i>a, b, c, d</i>
Texture	13 rugose	12 entire	Surface	<i>a, b, c</i>
Texture	14 striatous	3 serrate	10 calicifer	<i>a, b, c, d, e</i>
Texture	15 striatous	4 dentate	10 carinatus	10 pedicellous
Texture	16 striatous	5 crenate	10 membranous	10 scarious
Texture	17 striatous	6 repand	10 papillatous	10 spinous
Texture	18 striatous	7 sinuate	10 membranous	10 tubular
Texture	19 striatous	8 incised	10 papillatous	10 tubular
Texture	20 striatous	9 fringed	10 spinous	10 tubular
Texture	21 striatous	10 ciliate	10 spinous	10 tubular
Texture	22 striatous	11 serrulate	10 spinous	10 tubular
Texture	23 striatous	12 lobed	10 spinous	10 tubular
Texture	24 striatous	13 cleft	10 spinous	10 tubular
Texture	25 striatous	14 parted	10 spinous	10 tubular
Texture	26 striatous	15 pectinate	10 spinous	10 tubular
Texture	27 striatous	16 lyrat	10 spinous	10 tubular
Texture	28 striatous	17 runcinate	10 spinous	10 tubular
Texture	29 striatous	18 divided	10 spinous	10 tubular
Texture	30 striatous	19 divided	10 spinous	10 tubular
Texture	31 striatous	20 Surface	10 spinous	10 tubular
Texture	32 striatous	<i>a</i>	10 spinous	10 tubular
Texture	33 striatous	1 glabrous	10 spinous	10 tubular
Texture	34 striatous	2 glandous	10 spinous	10 tubular
Texture	35 striatous	3 punctate	10 spinous	10 tubular
Texture	36 striatous	4 verrucose	10 spinous	10 tubular
Texture	37 striatous	5 Saft Hairs	10 spinous	10 tubular
Texture	38 striatous	1 pubescent	10 spinous	10 tubular
Texture	39 striatous	2 pubescent	10 spinous	10 tubular
Texture	40 striatous	3 pubescent	10 spinous	10 tubular
Texture	41 striatous	4 pubescent	10 spinous	10 tubular
Texture	42 striatous	5 pubescent	10 spinous	10 tubular
Texture	43 striatous	6 pubescent	10 spinous	10 tubular
Texture	44 striatous	7 pubescent	10 spinous	10 tubular

FLOWER, Kinds

..... Disc.
 hypogynous
 perigynous
 epigynous
Surface
 nateled
 smooth
 punctate
 alveolate
 bristly

.....chaffy Texture	.....appressed spreading reflexed	.....versatile incurse extrorse pendulous Form.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	<i>Surface</i>.....a. b. . c. Color Gen. Character
Calyx-Corolla.....Gynostemialous.....Gamopetalous.....rotate	.....sepals.....petals Form.....sepals.....d. .....a. b. . c. . d. .....spurred.....petals.....a. b. . c. . d.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	SEED Number Form.....oblong.....ovate.....ovoid
.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....bilabiate.....galeate.....ringent.....persiculate.....spurred.....inflated.....saccate	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	Attachment sessile.....filiculate Coats Color Texture
Borbor.....truncate.....entire.....lobed.....cleft.....parted	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	Appendages.....aril.....caruncle.....perianth.....wing.....lobate
.....Pappus.....cup.....scales.....awns.....bristles	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	Albumen quantity Texture Color
.....Polypetalous.....Rosarous.....Hilacous.....Cruciferous.....Caryophyllaceous.....Papilionaceous.....anomalous	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	Embryo Form.....straight.....bent.....rolled Size.....outside.....inside Radicle <i>Direction</i> <i>Length</i>
.....Duration.....hercynous.....marcescent.....persistent Color.....calyx.....corolla	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	Plumule Number Position Copulations Form
.....Surface.....calyx.....ribbed.....nerved.....corolla.....throat	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	<i>Size</i> Number Texture
Texture	.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supercavo.	.....sagittate.....pedate.....awned.....cordate.....obovate <i>No. of Celled</i> <i>Dehiscence</i>.....lateral <i>Folios</i>.....Follicle	.....included exserted	.....membranous.....contortuous.....succulent

REMARKS:

ORDER:

No.

Name, } SCIENTIFIC,
 } COMMON,

LOCALITY,

DATE,

187.

..... chafly Texture	Sepals, Petals appressed spreading reflexed	..... versatile introrse extrorse pendulous	..... included excluded	..... <i>a. b. c.</i> Color
Calyx. Corolla G. Ampelalous Gamopetalous	..... sepals petals sepals petals spurred petals d. e. d. d. e. d.	..... sagittate ovate cordate lobed Dehiscence lateral	..... central bilobed trilobed	..... ribbed furrowed
..... rotate saucer-shaped cup-shaped campanulate funnel-form sulver-form urn-shaped top-shaped	..... Form pedate ovate lobed Dehiscence lateral	..... ovules empty antitropous empty antitropous	..... Form oblong ovoid	SEED Number
..... tubular ligulate bilobate galeate ringent persomate spurred inflated saccate	Aestivation open valvate induplicate reduplicate imbricate contorted convolute pliate supervoi	..... Di. in Ovary erect ascending horizontal pendulous suspended	Attachment sessile funiculate	SEED Form
Stamens Number	..... alternate opposite Inclusion hypogynous epigynous gynostemous gynostemous on a disk epipetalous	..... Kinds closed open Cohesion simple multiple compound	Coats Color <i>a. b. c.</i> Texture	
..... truncate entire lobed cleft portul	..... Position terminal lateral sessile	..... FRUIT Dehiscence loculicidal septifragal circumscissile	Appendages aril crumple atrophiate wing coma	
Pappus cup scales awns bristles	..... Form linear	..... Kinds licheny berry pappi pome	Albumen opacity Texture Color	
Polysepal us Polyperianthus bracteatus thalictroides erythrophylloides papilionaceous anomalous	..... Length long short didymous tetradymous Cohesion adnate phloisatus Gen. Features included asserted sessile comitant	..... Stone drupe	Embryo Form straight bent rolled	
..... deciduous marcescent persistent Color	..... Flament Form capillary filiform No. of Cells 2	..... Aggregate Accessory Multiple	..... Position as to Albumen outside inside Direction Length Plumule Number Position Cystolegmas Form	
..... corolla calyx ribbed nerved corolla throat	..... Surface, <i>a. b. c.</i> imbricate adnate	..... No. of Cells Odor Taste Pericarp Texture membranous cartaceous succulent	..... Size Number Texture	
Texture	Surface, <i>a. b. c.</i> imbricate adnate			

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

CHECK TABLET.

GENERAL FEATURES.	8 hollow	9 spatulate	10 villous	11 symmetrical
Habit.	10 flexuose	11 oblong	12 silky	13 complete
	11 geniculate	12 elliptical	13 woolly	14 perfect
	12 axillary joint	13 oval	14 velvety	15 regular
	13 a. b. c.	14 rotund	15 stiff hairs	16 staminate
	14 ovate	15 obovate	16 scabrous	17 pistillate
	15 truncate	16 cuneate	17 hispid	18 neutral
Surface	16 a. b. c.	17 Brev	18 prickly	19 microns
Color	17 corn	18 acuminate	19 petiole	20 stalk
Height	18 tuber	19 obtuse	20 terete	21 Ectangle
Underground	19 bath	20 truncate	21 compressed	22 Length
	20 sessile	21 reflex	22 leaf-like	23 Foliol
	21 p. etiolate	22 emarginate	23 Kind	24 Scap
	22 stipulate	23 auriculate	24 clasping	25 Involute
	23 exstipulate	24 cordate	25 sagittate	26 Form
Arrangement	24 equitant	25 hastate	26 peltate	27 a. b. c.
On the Stem.	25 reniform	26 clasping	27 decurrent	28 Stipules
	26 canine	27 decurrent	28 Achaesia	29 Form
	27 radical	28 Achaesia	30 free	31 Gen. Character
Along the Axis.	28 alternate.	29 acuminate	30 acute	32 Duration
	29 scattered	30 acute	31 obtuse	33 persistent
	30 fasciculate	31 obtuse	32 truncate	34 deciduous
	31 opposite	32 reflex	33 emarginate	35 Vernation
	32 verticillate	33 truncate	34 obtusate	36 Texture
Duration	33 persistent	34 obtusate	35 micromate	37 a. b. c.
	34 deciduous	35 cuspitate	36 trilobate	38 Venation
Vernation	35 persistent	36 ciliate	37 serrulate	39 straight
	36 succulent	37 lobed	38 cleft	40 curved
Texture	37 coriaceous	38 entire	39 parted	41 transverse
	38 rugose	39 serrate	40 erenate	42 Netted.
	39 scabrous	40 crenate	41 repand	43 pinnate
Venation.	40 straight	41 sinuate	42 incised	44 3-nerved
	41 curved	42 fringed	43 ciliate	45 5-nerved
	42 transverse	43 serrulate	44 lobed	46 radiate
Form.	43 pinnate	44 lobed	45 cleft	47 Compound.
	44 3-nerved	45 parted	46 punctate	48 pinnate
	45 radiate	46 lyrate	47 runcinate	49 palmate
Special Forms	46 diffuse	47 divided	48 divided	50 foliate
	47 deliquescent	48 Surface	49 No Hairs	51 Simple, Leaflets
	48 suckers	50 a	51 glaucous	52 Gen., Outline
	49 stolon	51 glaucous	52 punctate	53 filiform
	50 offsets	52 verrucose	53 aciculate	54 aciculate
	51 runners	53 aciculate	54 aciculate	55 acerose
	52 tendrils	54 aciculate	55 aciculate	56 subulate
	53 thorns	55 aciculate	56 aciculate	57 linear
Gen. Char.	54 striate	56 aciculate	57 aciculate	58 pubescent
	55 leaflets	57 aciculate	58 aciculate	59 pilosus
	56 grooved	58 aciculate	59 aciculate	60 pubescent
	57 angled.	59 aciculate	60 aciculate	61 Surface
	58 solid	60 aciculate	61 aciculate	62 Disk.
		61 aciculate	62 aciculate	63 hypogynous
		62 aciculate	63 aciculate	64 perigynous
		63 aciculate	64 aciculate	65 epigynous
		64 aciculate	65 aciculate	66 Surface
		65 aciculate	66 aciculate	67 naked
		66 aciculate	67 aciculate	68 smooth
		67 aciculate	68 aciculate	69 punctate
		68 aciculate	69 aciculate	70 striate
		69 aciculate	70 aciculate	71 grooved
		70 aciculate	71 aciculate	72 angled.
		71 aciculate	72 aciculate	73 solid
		72 aciculate	73 aciculate	74 bristly

CHECK TABLET.

GENERAL FEATURES.	hollow	spatulate	1	villos	1	symmetrical	1
Habit.	flexuose	oblong	9	sulcy	5	complete	2
	geniculate	elliptical	10	woolly	9	perfect	3
	tumid joint	oval	11	velvety	9	rigid	4
	a. b. c	round	12		3	infractile	5
Surface		ovate	13	Soft Hairs	1	neutral	1
Color		obovate	14	1	1		1
Height		cuneate	15	2	2		2
Underground		rhizomatous	16	3	3		3
Odor		tuber	17	4	4		4
		bulb	18	5	5		5
LEAVES.							
Kinds							
	sessile	acuminat	1				
	petiolate	acut	2				
	stipulate	obtus	3				
	reticulate	truncat	4				
	resplumate	reflex	5				
	equitant	emarginat	6				
		cordat	7				
		auriculat	8				
		scutellat	9				
		bastat	10				
		pellat	11				
		reniform	12				
		clashing	13				
		comitat	14				
		decurrent	15				
			16				
Along the Axis							
	scattered	acuminat	1				
	resplumate	dent	2				
	fasciculate	obtus	3				
	opposit	truncat	4				
	verticillat	reflex	5				
		emarginat	6				
		obcordat	7				
		obcordat	8				
		micromerit	9				
		aristat	10				
Duration							
	peristent		1				
	deciduous		2				
Vernation							
	scabrous		1				
	pubescent		2				
	glabrous		3				
	pubescent		4				
Texture							
	straight		1				
	curved		2				
	transverse		3				
	Netted.		4				
	pinulate		5				
	3-nerved		6				
	radiate		7				
Venation.							
	straight		1				
	curved		2				
	transverse		3				
Form.							
	pinulate		1				
	lobate		2				
Simple Leaves							
Gen. Char.							
	filiform		1				
	acutose		2				
	subulate		3				
	linear		4				
	lanccolate		5				
	oblanccolate		6				
	angled.		7				
	soft		8				
	bristly		9				
	pubescent		10				
	puberulent		11				
	pubescent		12				
	pubescent		13				
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	pubescent		15				
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	pubescent		94				
	pubescent		95				
	pubescent		96				
	pubescent		97				
	pubescent		98				
	pubescent		99				
	pubescent		100				

.....chaffy	.....versatile	.....included	.....Surface, <i>a. b. c.</i>
Texture	introrse	.....exserted	Color
Calyx-Corolla	.....spreading	.....free-central	Gen. Character
Gamopetalous	.....retracted	.....axillary	.....ribbed
Gamopetalous	.....sepal petals	.....petaloid	.....unruffled
.....trotate	Form	SEED	Number
.....saucer-shaped	.....sepals	.....orthotropous	.....oblong
.....cup-shaped	.....petals	.....campylotropous	.....ovoid
.....campanulate	.....spuried	.....amphitropous	Attachment
.....tunnel-form	.....petals	.....Dir. in Ovary	.....sessile
.....silver-form	.....tubular	.....ascending	.....funiculate
.....urn-shaped	.....lobulate	.....pendulous	Coats
.....top-shaped	.....lobate	.....sterile	.....Surface, <i>a. b. c.</i>
.....tubular	Aestivation	.....Number	Appendages
.....ligulate	.....valvate	.....Fruit	.....Color
.....bilabiate	.....reduplicate	.....Septiferous	.....Texture
.....salicete	.....reduplicate	.....lobuliferous	.....Form
.....rufescent	.....imbricate	.....circumscissile	.....Color
.....perianth	.....convolute	.....circumscissile	.....Texture
.....spuried	.....plicata	Kinds	Albumen
.....indented	.....superior	.....Echyn	.....Quantity
.....striate	.....superior	.....Berry	.....Texture
Border	.....Number	.....Stigma	Embryo
.....dentate	Stamens	.....Fertilis	.....Form
.....entire	.....Folicle	.....Fertilis	.....Color
.....lobed	.....alternate	.....terminal	.....Shape
.....crested	Insecula	.....lateral	.....Rollen
.....paired	.....hypo-gynous	.....sessile	Position as to Albumen
Pappus	.....perigynous	.....Form	.....inside
.....scales	.....Syranchen	.....discoid	.....outside
.....anus	.....on a disk	.....globose	Direction
.....bristles	.....epipetalous	.....filiform	Length
Proximal us	.....long	.....linear	Aggregate
Polypetalous	.....short	.....Style	.....Accessory
.....Rosaceous	.....long	.....filiform	Multiple
.....Hircaceous	.....short	.....beak-like	No. of Cells
.....cruciferous	.....tetradynamous	.....decimate	Odor
.....caryophylloous	.....coleous	.....terminal	Taste
.....papilionaceous	.....adeniphous	.....lateral	Pericarp
.....anomalous	.....syngenesious	.....basilar	.....Texture
Duration	.....Gen. Features	.....Number	.....membranous
.....deciduous	.....included	.....Surface, <i>a. b. c.</i>	.....confertous
.....marcescent	.....sessile	.....Ovary	.....succulent
.....persistent	.....filament	.....Adhesion	
.....Color	.....Form	.....superior	
.....calyx	.....capillary	.....half-superior	
.....corolla	.....filiform	.....inferior	
.....ribbed	.....Surface, <i>a. b. c.</i>	.....Form	
.....nerved	.....Anchor	.....Surface, <i>a. b. c.</i>	
.....corolla	.....Attachment	.....Gen. Features	
.....throat	.....limbate		
Texture	.....adnate		

REMARKS :

ORDER : No.

Name, { SCIENTIFIC,
 { COMMON,
 LOCALITY,

DATE, 187.....

CHECK TABLET.

GENERAL FEATURES.	8 hollow	18 spatulate	4 villous	..... symmetrical
Habit.	9 flexuose	9 oblong	5 silky	..... complete
	10 geniculate	10 elliptical	6 woolly	..... perfect
	11 tumid joint	11 oval	7 velvety	..... regular
Surface	12 a. b. c	12 round	8 microns	..... staminate
Color	13 sessile	13 ovate	9 neutral	..... pistillate
Height	14 pedicel	14 obovate	10 beak	.....
Underground	15 a. b. c	15 canulate	11 .....	.....
Odor	16 a. b. c	16 a. b. c	12 microns	.....
Form	17 a. b. c	17 a. b. c	13 microns	.....
Gen. Char.	18 a. b. c	18 a. b. c	14 microns	.....
Stem.	19 a. b. c	19 a. b. c	15 microns	.....
Nature	20 a. b. c	20 a. b. c	16 microns	.....
Dir. of Growth	21 a. b. c	21 a. b. c	17 microns	.....
Juice	22 a. b. c	22 a. b. c	18 microns	.....
Taste	23 a. b. c	23 a. b. c	19 microns	.....
ROOT.	24 a. b. c	24 a. b. c	20 microns	.....
Form	25 a. b. c	25 a. b. c	21 microns	.....
Gen. Char.	26 a. b. c	26 a. b. c	22 microns	.....
Stem.	27 a. b. c	27 a. b. c	23 microns	.....
Nature	28 a. b. c	28 a. b. c	24 microns	.....
Dir. of Growth	29 a. b. c	29 a. b. c	25 microns	.....
Juice	30 a. b. c	30 a. b. c	26 microns	.....
Taste	31 a. b. c	31 a. b. c	27 microns	.....
ROOT.	32 a. b. c	32 a. b. c	28 microns	.....
Form	33 a. b. c	33 a. b. c	29 microns	.....
Gen. Char.	34 a. b. c	34 a. b. c	30 microns	.....
Stem.	35 a. b. c	35 a. b. c	31 microns	.....
Nature	36 a. b. c	36 a. b. c	32 microns	.....
Dir. of Growth	37 a. b. c	37 a. b. c	33 microns	.....
Juice	38 a. b. c	38 a. b. c	34 microns	.....
Taste	39 a. b. c	39 a. b. c	35 microns	.....
ROOT.	40 a. b. c	40 a. b. c	36 microns	.....
Form	41 a. b. c	41 a. b. c	37 microns	.....
Gen. Char.	42 a. b. c	42 a. b. c	38 microns	.....
Stem.	43 a. b. c	43 a. b. c	39 microns	.....
Nature	44 a. b. c	44 a. b. c	40 microns	.....
Dir. of Growth	45 a. b. c	45 a. b. c	41 microns	.....
Juice	46 a. b. c	46 a. b. c	42 microns	.....
Taste	47 a. b. c	47 a. b. c	43 microns	.....
ROOT.	48 a. b. c	48 a. b. c	44 microns	.....
Form	49 a. b. c	49 a. b. c	45 microns	.....
Gen. Char.	50 a. b. c	50 a. b. c	46 microns	.....
Stem.	51 a. b. c	51 a. b. c	47 microns	.....
Nature	52 a. b. c	52 a. b. c	48 microns	.....
Dir. of Growth	53 a. b. c	53 a. b. c	49 microns	.....
Juice	54 a. b. c	54 a. b. c	50 microns	.....
Taste	55 a. b. c	55 a. b. c	51 microns	.....
ROOT.	56 a. b. c	56 a. b. c	52 microns	.....
Form	57 a. b. c	57 a. b. c	53 microns	.....
Gen. Char.	58 a. b. c	58 a. b. c	54 microns	.....
Stem.	59 a. b. c	59 a. b. c	55 microns	.....
Nature	60 a. b. c	60 a. b. c	56 microns	.....
Dir. of Growth	61 a. b. c	61 a. b. c	57 microns	.....
Juice	62 a. b. c	62 a. b. c	58 microns	.....
Taste	63 a. b. c	63 a. b. c	59 microns	.....
ROOT.	64 a. b. c	64 a. b. c	60 microns	.....
Form	65 a. b. c	65 a. b. c	61 microns	.....
Gen. Char.	66 a. b. c	66 a. b. c	62 microns	.....
Stem.	67 a. b. c	67 a. b. c	63 microns	.....
Nature	68 a. b. c	68 a. b. c	64 microns	.....
Dir. of Growth	69 a. b. c	69 a. b. c	65 microns	.....
Juice	70 a. b. c	70 a. b. c	66 microns	.....
Taste	71 a. b. c	71 a. b. c	67 microns	.....
ROOT.	72 a. b. c	72 a. b. c	68 microns	.....
Form	73 a. b. c	73 a. b. c	69 microns	.....
Gen. Char.	74 a. b. c	74 a. b. c	70 microns	.....
Stem.	75 a. b. c	75 a. b. c	71 microns	.....
Nature	76 a. b. c	76 a. b. c	72 microns	.....
Dir. of Growth	77 a. b. c	77 a. b. c	73 microns	.....
Juice	78 a. b. c	78 a. b. c	74 microns	.....
Taste	79 a. b. c	79 a. b. c	75 microns	.....
ROOT.	80 a. b. c	80 a. b. c	76 microns	.....
Form	81 a. b. c	81 a. b. c	77 microns	.....
Gen. Char.	82 a. b. c	82 a. b. c	78 microns	.....
Stem.	83 a. b. c	83 a. b. c	79 microns	.....
Nature	84 a. b. c	84 a. b. c	80 microns	.....
Dir. of Growth	85 a. b. c	85 a. b. c	81 microns	.....
Juice	86 a. b. c	86 a. b. c	82 microns	.....
Taste	87 a. b. c	87 a. b. c	83 microns	.....
ROOT.	88 a. b. c	88 a. b. c	84 microns	.....
Form	89 a. b. c	89 a. b. c	85 microns	.....
Gen. Char.	90 a. b. c	90 a. b. c	86 microns	.....
Stem.	91 a. b. c	91 a. b. c	87 microns	.....
Nature	92 a. b. c	92 a. b. c	88 microns	.....
Dir. of Growth	93 a. b. c	93 a. b. c	89 microns	.....
Juice	94 a. b. c	94 a. b. c	90 microns	.....
Taste	95 a. b. c	95 a. b. c	91 microns	.....
ROOT.	96 a. b. c	96 a. b. c	92 microns	.....
Form	97 a. b. c	97 a. b. c	93 microns	.....
Gen. Char.	98 a. b. c	98 a. b. c	94 microns	.....
Stem.	99 a. b. c	99 a. b. c	95 microns	.....
Nature	100 a. b. c	100 a. b. c	96 microns	.....
Dir. of Growth	101 a. b. c	101 a. b. c	97 microns	.....
Juice	102 a. b. c	102 a. b. c	98 microns	.....
Taste	103 a. b. c	103 a. b. c	99 microns	.....
ROOT.	104 a. b. c	104 a. b. c	100 microns	.....
Form	105 a. b. c	105 a. b. c	101 microns	.....
Gen. Char.	106 a. b. c	106 a. b. c	102 microns	.....
Stem.	107 a. b. c	107 a. b. c	103 microns	.....
Nature	108 a. b. c	108 a. b. c	104 microns	.....
Dir. of Growth	109 a. b. c	109 a. b. c	105 microns	.....
Juice	110 a. b. c	110 a. b. c	106 microns	.....
Taste	111 a. b. c	111 a. b. c	107 microns	.....
ROOT.	112 a. b. c	112 a. b. c	108 microns	.....
Form	113 a. b. c	113 a. b. c	109 microns	.....
Gen. Char.	114 a. b. c	114 a. b. c	110 microns	.....
Stem.	115 a. b. c	115 a. b. c	111 microns	.....
Nature	116 a. b. c	116 a. b. c	112 microns	.....
Dir. of Growth	117 a. b. c	117 a. b. c	113 microns	.....
Juice	118 a. b. c	118 a. b. c	114 microns	.....
Taste	119 a. b. c	119 a. b. c	115 microns	.....
ROOT.	120 a. b. c	120 a. b. c	116 microns	.....
Form	121 a. b. c	121 a. b. c	117 microns	.....
Gen. Char.	122 a. b. c	122 a. b. c	118 microns	.....
Stem.	123 a. b. c	123 a. b. c	119 microns	.....
Nature	124 a. b. c	124 a. b. c	120 microns	.....
Dir. of Growth	125 a. b. c	125 a. b. c	121 microns	.....
Juice	126 a. b. c	126 a. b. c	122 microns	.....
Taste	127 a. b. c	127 a. b. c	123 microns	.....
ROOT.	128 a. b. c	128 a. b. c	124 microns	.....
Form	129 a. b. c	129 a. b. c	125 microns	.....
Gen. Char.	130 a. b. c	130 a. b. c	126 microns	.....
Stem.	131 a. b. c	131 a. b. c	127 microns	.....
Nature	132 a. b. c	132 a. b. c	128 microns	.....
Dir. of Growth	133 a. b. c	133 a. b. c	129 microns	.....
Juice	134 a. b. c	134 a. b. c	130 microns	.....
Taste	135 a. b. c	135 a. b. c	131 microns	.....
ROOT.	136 a. b. c	136 a. b. c	132 microns	.....
Form	137 a. b. c	137 a. b. c	133 microns	.....
Gen. Char.	138 a. b. c	138 a. b. c	134 microns	.....
Stem.	139 a. b. c	139 a. b. c	135 microns	.....
Nature	140 a. b. c	140 a. b. c	136 microns	.....
Dir. of Growth	141 a. b. c	141 a. b. c	137 microns	.....
Juice	142 a. b. c	142 a. b. c	138 microns	.....
Taste	143 a. b. c	143 a. b. c	139 microns	.....
ROOT.	144 a. b. c	144 a. b. c	140 microns	.....
Form	145 a. b. c	145 a. b. c	141 microns	.....
Gen. Char.	146 a. b. c	146 a. b. c	142 microns	.....
Stem.	147 a. b. c	147 a. b. c	143 microns	.....
Nature	148 a. b. c	148 a. b. c	144 microns	.....
Dir. of Growth	149 a. b. c	149 a. b. c	145 microns	.....
Juice	150 a. b. c	150 a. b. c	146 microns	.....
Taste	151 a. b. c	151 a. b. c	147 microns	.....
ROOT.	152 a. b. c	152 a. b. c	148 microns	.....
Form	153 a. b. c	153 a. b. c	149 microns	.....
Gen. Char.	154 a. b. c	154 a. b. c	150 microns	.....
Stem.	155 a. b. c	155 a. b. c	151 microns	.....
Nature	156 a. b. c	156 a. b. c	152 microns	.....
Dir. of Growth	157 a. b. c	157 a. b. c	153 microns	.....
Juice	158 a. b. c	158 a. b. c	154 microns	.....
Taste	159 a. b. c	159 a. b. c	155 microns	.....
ROOT.	160 a. b. c	160 a. b. c	156 microns	.....
Form	161 a. b. c	161 a. b. c	157 microns	.....
Gen. Char.	162 a. b. c	162 a. b. c	158 microns	.....
Stem.	163 a. b. c	163 a. b. c	159 microns	.....
Nature	164 a. b. c	164 a. b. c	160 microns	.....
Dir. of Growth	165 a. b. c	165 a. b. c	161 microns	.....
Juice	166 a. b. c	166 a. b. c	162 microns	.....
Taste	167 a. b. c	167 a. b. c	163 microns	.....
ROOT.	168 a. b. c	168 a. b. c	164 microns	.....
Form	169 a. b. c	169 a. b. c	165 microns	.....
Gen. Char.	170 a. b. c	170 a. b. c	166 microns	.....
Stem.	171 a. b. c	171 a. b. c	167 microns	.....
Nature	172 a. b. c	172 a. b. c	168 microns	.....
Dir. of Growth	173 a. b. c	173 a. b. c	169 microns	.....
Juice	174 a. b. c	174 a. b. c	170 microns	.....
Taste	175 a. b. c	175 a. b. c	171 microns	.....
ROOT.	176 a. b. c	176 a. b. c	172 microns	.....
Form	177 a. b. c	177 a. b. c	173 microns	.....
Gen. Char.	178 a. b. c	178 a. b. c	174 microns	.....
Stem.	179 a. b. c	179 a. b. c	175 microns	.....
Nature	180 a. b. c	180 a. b. c	176 microns	.....
Dir. of Growth	181 a. b. c	181 a. b. c	177 microns	.....
Juice	182 a. b. c	182 a. b. c	178 microns	.....
Taste	183 a. b. c	183 a. b. c	179 microns	.....
ROOT.	184 a. b. c	184 a. b. c	180 microns	.....
Form	185 a. b. c	185 a. b. c	181 microns	.....
Gen. Char.	186 a. b. c	186 a. b. c	182 microns	.....
Stem.	187 a. b. c	187 a. b. c	183 microns	.....
Nature	188 a. b. c	188 a. b. c	184 microns	.....
Dir. of Growth	189 a. b. c	189 a. b. c	185 microns	.....
Juice	190 a. b. c	190 a. b. c	186 microns	.....
Taste	191 a. b. c	191 a. b. c	187 microns	.....
ROOT.	192 a. b. c	192 a. b. c	188 microns	.....
Form	193 a. b. c	193 a. b. c	189 microns	.....
Gen. Char.	194 a. b. c</			

.....chaffy Texture	Sepals, Petals appressed spreading reflexed	.....versatile introrse extrorse pendulous Form	.....included.....asserted	Surface, a. b. c.
Calyx, Corolla	.....sepals.....petals Form	.....sagittate.....peltate.....awned.....cordate.....lobed	Flacuation free-central axillary.....aristal	Color.....vibred.....grooved.....flurrowed
Gamopetalous	.....a. b. c. d. .....spurred	No. of Cells, Dehiscence.....lateral	Ovules Kind.....orthotropous.....campylotropous.....anatrochous.....amphitropous	SEED.....oblong.....ovate.....ovoid
.....rostrate	.....a. b. c. d. .....petals	Pollen	Dir. in Ovary.....erect.....ascending.....horizontal.....pendulous.....suspended	Attachment.....sessile.....funiculate
.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped	Aestivation open valvate induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....supervolv. l.	Pistil Kinds.....closed.....open.....simple.....multiple.....compound	Number.....circumscissile	Coats Surface, a. b. c. e.
.....tubular.....lobulate.....bilobate.....galeate.....reniform.....personate.....spurred.....indented.....saccate	Stamens Number.....alternate.....opposite.....imposition.....hypogynous.....perigynous.....epigynous.....synandrous.....epipetalous	Number.....Sigma.....Pistion.....terminal.....lateral.....sessile	Kinds.....Ectey.....berry.....perian.....lobate	Albumen Quantity.....carmelle.....straphiole.....ring.....oma
.....trilocate.....ciliate.....lobed.....cleift.....parted.....Pappus.....cup.....scales.....awns.....bristles	Length.....on a disk.....filiform.....linear	Form.....oboid.....globose.....closed.....filiform.....linear	Stems.....drupic	Embryo Form.....straight.....bent.....rolled
Polysepal us	.....long	Style	Dry.....achenium.....utricle.....samarra.....foliote	Size
Polypetalous	.....short.....adynamous.....tetradynamous.....Cohecion.....radialpous.....synchaestous	Levity.....filiform.....brachin.....declinate	Position as to Albumen.....inside.....outside	Position as to Albumen.....inside.....outside
.....biacous.....cruciferous.....eryophylacous.....papilionacous.....anomalous	Gen. Features.....included.....exserted.....sessile.....comvent	Position.....terminal.....lateral.....basilar	Aggregato.....Accessory.....Multiple	Direction.....Length
.....deciduous.....marcescent.....persistent	Number.....ovary.....superior.....half-superior.....inferior	Surface, a. b. c.	No. of Cells	Flumule.....Number.....Position.....Cottyledons.....Form
Color.....calyx.....corolla	Attachment.....innate.....adnate	Flament.....capillary.....filiform	No. of Cells	Texture.....membranous.....coriaceous.....succulent
Surfacecalyxribbednervedcorollathroat	Surface, a. b. c. e.	No. of CellsForm	OdorTastePericarp	Texture
Texture		Surface, a. b. c.Gen. Features		

REMARKS:

ORDER : No.

Name, { SCIENTIFIC,
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CHECK TABLET.

GENERAL FEATURES	hollow	3	spatulate	4	gillous	1	symmetrical
Habit.	flexuose	9	oblong	9	sulky	5	complete
	centulate	10	elliptical	10	wooly	6	perfect
	rimed joint	11	oval	11	actively	7	recurved
	surface	12	round	12	stiff hair	8	laminate
	a, b, c	13	ovate	13	scabrous	1	plissate
		14	obovate	14	hispid	2	recurved
Color		15	cuneate	15	articulate	3	.....
Height		16	.....	16	spinous	4	.....
Underground		17	.....	17	prickly	5	.....
rhizomat		18	.....	18	.....	6	.....
Odor	com	b	acuminate	1	Petiole		microus
	tuber	1	acute	2	Form		.....
	bulb	2	obtus	3	Stalk		foamlike
Juice	sessile	3	obtus	4	Length		.....
Color	p. ciliate	4	retuse	5	Surface		a, b, c.
Taste	stimulate	5	emarginate	6	Podical		.....
Gen. Char.	essigulate	6	cordate	7	Length		.....
ROOT.	equitant	7	auriculate	8	Height		.....
Form		8	hastate	9	Surface		a, b, c.
conical		9	petate	10	Involute		.....
fasiform		10	reniform	11	Stipules		rosaceous
napiform		11	clashing	12	Form		cup-shaped
ramose		12	comate	13	Length		hemispherical
solvent		13	decurrent	14	Surface		bell-shaped
fibrous		14	.....	15	Kind		.....
fasciculate		15	.....	16	Adhesion		conical
acerial		16	.....	17	Free		ovoid.
Gen. Char.	scattered	c	.....	18	Gen. Character		.....
.....	reticulate	1	.....	19	No. of ribs		.....
.....	fasciculate	2	.....	20	Number		.....
.....	opposite	3	.....	21	Direction		.....
.....	verticillate	4	.....	22	Duration		.....
Duration	perdeciduous	5	.....	23	.....		.....
.....	deciduous	6	.....	24	Form		a, b, c, d.
.....	.....	7	.....	25	Surface		a, b, c.
Vernation	.....	8	.....	26	Receptacle		.....
.....	.....	9	.....	27	Form		.....
.....	.....	10	.....	28	Terminal		.....
Texture	succulent	d	.....	29	Gen. Character		.....
.....	.....	1	.....	30	No. of ribs		.....
.....	.....	2	.....	31	Number		.....
.....	.....	3	.....	32	Direction		.....
Venation.	.....	4	.....	33	Duration		.....
parallel.	.....	5	.....	34	.....		.....
.....	.....	6	.....	35	Form		a, b, c, d.
.....	.....	7	.....	36	Surface		a, b, c.
.....	.....	8	.....	37	Receptacle		.....
.....	.....	9	.....	38	Form		.....
Branching	.....	10	.....	39	Terminal		.....
.....	.....	11	.....	40	Gen. Character		.....
.....	.....	12	.....	41	No. of ribs		.....
.....	.....	13	.....	42	Number		.....
.....	.....	14	.....	43	Direction		.....
.....	.....	15	.....	44	Duration		.....
.....	.....	16	.....	45	.....		.....
.....	.....	17	.....	46	Form		a, b, c, d.
.....	.....	18	.....	47	Surface		a, b, c.
Special Forms	deliquescent	e	.....	48	Receptacle		.....
suckers	.....	1	.....	49	Form		.....
obscis	.....	2	.....	50	Terminal		.....
runners	.....	3	.....	51	Gen. Character		.....
thorns	.....	4	.....	52	No. of ribs		.....
.....	.....	5	.....	53	Number		.....
Gen. Char.	.....	6	.....	54	Direction		.....
.....	.....	7	.....	55	Duration		.....
.....	.....	8	.....	56	.....		.....
.....	.....	9	.....	57	Form		a, b, c, d.
.....	.....	10	.....	58	Surface		a, b, c.
.....	.....	11	.....	59	Receptacle		.....
.....	.....	12	.....	60	Form		.....
.....	.....	13	.....	61	Terminal		.....
.....	.....	14	.....	62	Gen. Character		.....
.....	.....	15	.....	63	No. of ribs		.....
.....	.....	16	.....	64	Number		.....
.....	.....	17	.....	65	Direction		.....
.....	.....	18	.....	66	Duration		.....
.....	.....	19	.....	67	.....		.....
.....	.....	20	.....	68	Form		a, b, c, d.
.....	.....	21	.....	69	Surface		a, b, c.
.....	.....	22	.....	70	Receptacle		.....
.....	.....	23	.....	71	Form		.....
.....	.....	24	.....	72	Terminal		.....
.....	.....	25	.....	73	Gen. Character		.....
.....	.....	26	.....	74	No. of ribs		.....
.....	.....	27	.....	75	Number		.....
.....	.....	28	.....	76	Direction		.....
.....	.....	29	.....	77	Duration		.....
.....	.....	30	.....	78	.....		.....
.....	.....	31	.....	79	Form		a, b, c, d.
.....	.....	32	.....	80	Surface		a, b, c.
.....	.....	33	.....	81	Receptacle		.....
.....	.....	34	.....	82	Form		.....
.....	.....	35	.....	83	Terminal		.....
.....	.....	36	.....	84	Gen. Character		.....
.....	.....	37	.....	85	No. of ribs		.....
.....	.....	38	.....	86	Number		.....
.....	.....	39	.....	87	Direction		.....
.....	.....	40	.....	88	Duration		.....
.....	.....	41	.....	89	.....		.....
.....	.....	42	.....	90	Form		a, b, c, d.
.....	.....	43	.....	91	Surface		a, b, c.
.....	.....	44	.....	92	Receptacle		.....
.....	.....	45	.....	93	Form		.....
.....	.....	46	.....	94	Terminal		.....
.....	.....	47	.....	95	Gen. Character		.....
.....	.....	48	.....	96	No. of ribs		.....
.....	.....	49	.....	97	Number		.....
.....	.....	50	.....	98	Direction		.....
.....	.....	51	.....	99	Duration		.....
.....	.....	52	.....	100	.....		.....
.....	.....	53	.....	101	Form		a, b, c, d.
.....	.....	54	.....	102	Surface		a, b, c.
.....	.....	55	.....	103	Receptacle		.....
.....	.....	56	.....	104	Form		.....
.....	.....	57	.....	105	Terminal		.....
.....	.....	58	.....	106	Gen. Character		.....
.....	.....	59	.....	107	No. of ribs		.....
.....	.....	60	.....	108	Number		.....
.....	.....	61	.....	109	Direction		.....
.....	.....	62	.....	110	Duration		.....
.....	.....	63	.....	111	.....		.....
.....	.....	64	.....	112	Form		a, b, c, d.
.....	.....	65	.....	113	Surface		a, b, c.
.....	.....	66	.....	114	Receptacle		.....
.....	.....	67	.....	115	Form		.....
.....	.....	68	.....	116	Terminal		.....
.....	.....	69	.....	117	Gen. Character		.....
.....	.....	70	.....	118	No. of ribs		.....
.....	.....	71	.....	119	Number		.....
.....	.....	72	.....	120	Direction		.....
.....	.....	73	.....	121	Duration		.....
.....	.....	74	.....	122	.....		.....
.....	.....	75	.....	123	Form		a, b, c, d.
.....	.....	76	.....	124	Surface		a, b, c.
.....	.....	77	.....	125	Receptacle		.....
.....	.....	78	.....	126	Form		.....
.....	.....	79	.....	127	Terminal		.....
.....	.....	80	.....	128	Gen. Character		.....
.....	.....	81	.....	129	No. of ribs		.....
.....	.....	82	.....	130	Number		.....
.....	.....	83	.....	131	Direction		.....
.....	.....	84	.....	132	Duration		.....
.....	.....	85	.....	133	.....		.....
.....	.....	86	.....	134	Form		a, b, c, d.
.....	.....	87	.....	135	Surface		a, b, c.
.....	.....	88	.....	136	Receptacle		.....
.....	.....	89	.....	137	Form		.....
.....	.....	90	.....	138	Terminal		.....
.....	.....	91	.....	139	Gen. Character		.....
.....	.....	92	.....	140	No. of ribs		.....
.....	.....	93	.....	141	Number		.....
.....	.....	94	.....	142	Direction		.....
.....	.....	95	.....	143	Duration		.....
.....	.....	96	.....	144	.....		.....
.....	.....	97	.....	145	Form		a, b, c, d.
.....	.....	98	.....	146	Surface		a, b, c.
.....	.....	99	.....	147	Receptacle		.....
.....	.....	100	.....	148	Form		.....
.....	.....	101	.....	149	Terminal		.....
.....	.....	102	.....	150	Gen. Character		.....
.....	.....	103	.....	151	No. of ribs		.....
.....	.....	104	.....	152	Number		.....
.....	.....	105	.....	153	Direction		.....
.....	.....	106	.....	154	Duration		.....
.....	.....	107	.....	155	.....		.....
.....	.....	108	.....	156	Form		a, b, c, d.
.....	.....	109	.....	157	Surface		a, b, c.
.....	.....	110	.....	158	Receptacle		.....
.....	.....	111	.....	159	Form		.....
.....	.....	112	.....	160	Terminal		.....
.....	.....	113	.....	161	Gen. Character		.....
.....	.....	114	.....	162	No. of ribs		.....
.....	.....	115	.....	163	Number		.....
.....	.....	116	.....	164	Direction		.....
.....	.....	117	.....	165	Duration		.....
.....	.....	118	.....	166	.....		.....
.....	.....	119	.....	167	Form		a, b, c, d.
.....	.....	120	.....	168	Surface</		

.....chuffy Texture	Sepals, Petals.....appressed.....spreading.....reflexed	.....versatile.....introrse.....extrorse.....pendulous	.....included.....exserted
Calyx. Corolla.....inconspicuous Gamopetalous	.....sepals.....petals	.....sessiflate.....pellate.....awned.....cordate <i>lobed</i>	.....free-central.....axillary.....parietal.....furrowed
.....rotate	.....a. b. c. d. .....spurred	<i>No. of Cells, Dehiscent</i>	SEED Lumber
.....saucer-shaped.....cup-shaped.....cuneiform.....funnel-form	.....a. b. c. d. .....petals	.....lateral	Form.....oblong.....ovate.....ovoid
.....silver-form.....urn-shaped.....top-shaped.....tubular	Activation.....open	Pollen	Attachment.....sessile.....funiculate
.....ligulate.....bilobate.....galeate.....ringent.....persimite.....spurred.....inflated.....saccate	.....valvate.....reduplicate.....imbriate.....convolute.....plicate.....supervulvate	Pistil.....closed.....open.....cohesion.....simple.....multiple.....compound	Coats <i>Surface, a. b. c. d.</i>
Boiser.....truncate.....entire.....lobed.....clef.....parted.....papaya.....cup.....scales.....awns.....bristles	Stamens.....Number.....Position.....opposite.....invergent.....hypogynous.....epigynous.....epigynous.....on a disk.....epipetalous	Number.....stigma.....Position.....terminal.....lateral.....sessile	Appendages.....anther.....cuculate.....strophiloid.....coma
Protopod us Polypetalous	.....Length.....long.....short.....didymous.....tetradymous.....cohesion.....adclavatus.....syrphidous.....Gen. Features.....inched.....sessile.....conjoint	Form.....globose.....lobed.....filiform.....linear	Embryo.....Form.....straight.....beet.....rolled
.....filicatus.....cordatus.....erythrorhous.....paphnaceous.....anomalous	.....Length.....long.....short.....didymous.....tetradymous.....cohesion.....adclavatus.....syrphidous.....Gen. Features.....inched.....sessile.....conjoint	Style <i>form</i>.....filiform.....branching.....declinate	Position as to Alburnon.....outside.....inside
.....deciduous.....marcescent.....persistent Color	.....Length.....long.....short.....didymous.....tetradymous.....cohesion.....adclavatus.....syrphidous.....Gen. Features.....inched.....sessile.....conjoint	Position.....terminal.....lateral.....basilar	Direction.....Radicle
.....calyx corolla	.....Number <i>Surface, a. b. c. d.</i> .....ovary Adhesion	Number <i>Surface, a. b. c. d.</i> .....ovary Adhesion	Length.....Fimbrils.....Number.....Position.....Cordons.....Form
.....ribbednervedcorollathroatSurface, a. b. c. d.Anther Attachmentimmateadmate	Formcapillaryfiliform <i>Surface, a. b. c. d.</i>Anther Attachmentimmateadmate	SizeNumberTexture
Texture			

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
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chaffly Texture	Sepals, Petals appressed spreading reflexed sepals petals Form sepals a. b. c. d. spurred petals a. b. c. d.	versatile introrse extrose pendulous Form sagittate peltate awned cordate lobed No. of Cells Dehiscence lateral	included exserted Flacination free-central axillary parietal Ovules Kind orthotropous campylotropous anatropous amphitropous Dir. in Ovary erect descending pendulous horizontal suspended	Surface a. b. c. Color Character ribbed grooved turreted
Calyx-Corolla Gamopetalous	saucer-shaped cup-shaped campanulate tunnel-form salverform urn-shaped top-shaped tubular ligulate lobate gibbate ringent perianth spurred inflated saccate	Aestivation valvate induplicate inbraccate contorted convolute plicate superovulv	Attachment sessile limbulate	Form oblong ovate ovoid
Border truncate entire lobed cleft parted	Stamens Number Position alternate opposite Imposition hypogynous perigynous epigynous gyna. adn. on a disk epipetalous Length long short dynamous tetradynamous Coecium adcliphous Gen. Features included sessile comvent	Stamens Number Position terminal lateral sessile Form discoïd lobed filiform linear Style filiform brachist decimate Position terminal lateral basilar Number Surface a. b. c. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface a. b. c. Gen. Features	Coats Surface a. b. c. Color Texture	Embryo Form straight bent rolled
Polysepal us Polypetalous rosaceous lilaceous cruciferous caryophyllaceous papilionaceous anomalous	Attachment deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat Texture	Aggregation Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Albume Quantity Texture Color Embryo Form acheneum utricle samara foliote legume capsule silique silicle pyxis Aggregato Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Position as to Albumen outside inside Radicle Direction Length Flumule Number Position Cotyledons Form Size Number Texture

REMARKS:

ORDER: No.

Name, } SCIENTIFIC,
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LOCALITY, DATE, 187

.....chuffy Textureversatile nitrosc extrose pendulous Formsagittatepellateawnedovatelobed No. of Cells, DehiscenceLateralPollenincludederectedfree-centralaxillaryparietalColorCharacterribbedgroovedfurrowed
Calyx-Corolla Gamospalang Gamospalang.....lobate.....sacur-shaped.....cup-shaped.....campanulate.....funnel-form.....salver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....globose.....trigonal.....personate.....spurred.....inflated.....saccate	.....Aestivation.....open.....valvate.....induplicate.....reduplicate.....imbricate.....contorted.....convolute.....plicata.....superov.	Ovules Kind.....orthotropous.....campylotropous.....anatropous.....amphitropous Dir. in Ovary.....axile.....ascending.....horizontal.....pendulous	SEED Number.....oblong.....ovoid.....ovate
Border.....truncate.....entire.....lobed.....parted.....cleft	Stamens Number.....alternate.....opposite.....hypogynous.....epigynous.....on a disk.....epitachous	Dehiscence.....sepaloidal.....loculicidal.....circumscissile	Albumen Quantity.....granule.....wing.....cama
Pappus.....cup.....scaly.....awned.....bristles	Invasion.....opposite.....hypogynous.....epigynous.....on a disk.....epitachous	FRUIT.....sepaloidal.....loculicidal.....circumscissile	Embryo Form.....straight.....beak.....rolled
Po-pappus Polypetalous.....rosaceous.....filaceous.....cruciferous.....erythryllaceous.....papilionaceous.....anomalous	Length.....long.....short.....didynamous.....tetradynamous.....Coecion.....adelphous.....adelphous.....synchronous.....included.....exserted.....sessile.....comitant	Attachment.....pericarp.....membranous.....coriaceous.....succulent	Position as to Albumen.....outside.....inside.....radicle
Duration.....deciduous.....marcescent.....persistent	Gen. Features.....sessile.....comitant	Aggregat.....Accessory.....Multiple	Flumule Number.....Position.....Coryledons Form
Color.....calyx.....corolla.....ribbed.....nerved.....corolla.....throat	Attachment.....imbricate.....adnate	Odor Taste.....Pericarp Texture	Size Number.....Texture
Surface.....calyx.....ribbed.....nerved.....corolla.....throat	Number.....Ovary.....Adaxion.....superior.....inferior.....terminal.....basilar.....lateral	Surface.....a. b. c. d. .....e	Surface.....a. b. c. d. .....e

REMARKS:

ORDER:

Name, { SCIENTIFIC,

} COMMON,

LOCALITY,

No.

DATE,

187

CHECK TABLE.

GENERAL FEATURES.	hollow	8	spatulate	4	symmetrical
Habit.	flexuose	9	oblong	5	complete
terrestrial	geniculate	10	climacical	6	perfect
aquatic	tumid joint	11	oval	7	regular
parasitic	Surface	12	round	8	striate
terrestrial	a. b. c.	13	ovate	9	psilate
retial	Color	14	obovate	1	neturat
Duration	Height	15	emucate	2	merous
annual	Underground	16	truncate	3	Stalk
bicennial	rhizoma	17	retuse	4	Form
perennial	corn	18	emarginate	5	Feetculo
	tuber	19	cordate	6	Leaflets
	bulb	20	auriculate	7	Pedice
LEAVES.	Keinds	21	sagittate	8	Scage
sessile	sessile	22	hastate	9	Length
petiolate	petiolate	23	pectate	10	Height
stipulate	stipulate	24	reniform	11	Involute
exstipulate	equitant	25	claspimg	12	Form
equitant	Arrangemen	26	comate	13	cap-shaped
On the Stem	radial	27	decurrent	14	hemispherical
radial	along the axis	28	acuminate	15	bell-shaped
ramal	alternate	29	obovate	16	cylindrical
along the axis	scattered	30	acuate	17	conical
oscillate	resiculate	31	obtusate	18	ovoid.
resiculate	opposite	32	truncate	19	Scates
opposite	verticillate	33	retuse	20	No. of rows.
verticillate	pendulous	34	emarginate	21	Number.
pendulous	deciduous	35	obcordate	22	Direction.
deciduous	Vernation	36	cuspidate	23	appressed
Texture	erect	37	amicronate	24	erect
succulent	Form	38	aristate	25	spreading
coriaceous	revolute	39	seriate	26	reflexed
rigid	entire	40	crenate	27	Form
orb	dentate	41	repand	28	a. b. c. d.
Venation.	repand	42	sinuate	29	Toxture
straight	incised	43	fringed	30	petioloidous
curved	ciliate	44	lobed	31	lobateous
transverse	lobed	45	cleft	32	scarious
Netted.	3-nerved	46	parted	33	spinous
pinnae	5-nerved	47	perulate	34	rigid
3-nerved	radiate	48	lyrate	35	chafly.
radiate	Form.	49	truncate	36	Receptacle
Compound.	pinnae	50	divided	37	Form
pinnae	foliate	51	Surface	38	urn-shaped
palmate	Simple, Leaflets	52	a No Hairs	39	concave
foliate	1	53	glabrous	40	flat
Special Forms	2	54	glauous	41	cylindrical
suckers	3	55	pubescent	42	elongated
stolons	4	56	pubescent	43	conical
runners	5	57	pubescent	44	hemispherical
tendrils	6	58	pubescent	45	Disk
thorns	7	59	pubescent	46	ovigynous
Gen. Char.	8	60	pubescent	47	perigynous
teretic	9	61	pubescent	48	epigynous
striate	10	62	pubescent	49	Surface
grooved	11	63	pubescent	50	marked
angled.	12	64	pubescent	51	smooth
solid	13	65	pubescent	52	punctate
	14	66	pubescent	53	alveolate
	15	67	pubescent	54	bristly

..... chiefly Texture	..... versatile introrse extrorse pendulous form sagittate pedate lobed <i>No. of Cells</i> <i>Deloescence</i> Pollen Peltidia	..... included exserted	..... Surface <i>a. b. c.</i> Color
Calyx. Corolla gamopetalous gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate labiate galate ringent perianth spurred indiated saccate	..... sessile spreading reflexed sepals petals Form a. b. c. d. spurred petals a. b. c. d.	..... axillary parietal	SEED Number oblong ovate ovoid
Aestivation valvate induplicate imbricate convoluted plicate spirally b.	No. of Cells <i>Deloescence</i> Pollen Peltidia Pistil Kinds closed open simple multiple compound Stigma Number Position terminal lateral sessile	..... erect ascending horizontal pendulous suspended	Coats Surface <i>a. b. c.</i> Color Texture
Stamens Number. Position alternate opposite Insertion hypogynous perigynous epigynous gynandrous on a disk lobed epipetalous Length long short didynamous tetradynamous Cohesion adelphous synangheous Gen. Features included exserted sessile comivent Filament Form capillary filiform Surface <i>a. b. c. d.</i> Anchor Attachment imate adnate	..... compound Stigma Number Position terminal lateral basilar Number Surface <i>a. b. c.</i> Ovary Adhesion superior half-superior inferior Form Surface <i>a. b. c.</i> Gen. Features	..... circumscissile	Appendages caruncle stipitate wing coma Albumen Quantity Texture Color
Border truncate entire lobed cleft paried Pappus cup scales avas bristles Foveolous Polycarpous rosaceous hilaceous cruciferous caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx Surface calyx ribbed nerved corolla throat Texture	..... dry achenium utricle samara follicle became capsule silicle pnyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... circumscissile	Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Position Cotyledons Form Size Number Texture

REMARKS: ORDER: No.

Name, } SCIENTIFIC,
 } COMMON,
LOCALITY, DATE, 187.....

CHECK TABLE.

GENERAL FEATURES	hollow	8	spiridate	1	villous	1	symmetrical
Habit	flexuose	9	oblong	3	sulky	3	compose
	geniculate	10	climacate	5	woolly	5	perfect
	tumid joint	11	oval	3	velvety	3	regular
Surface	a. b. c.	12	round	3	Self flag	3	staminate
Color	a. b. c.	13	ovate	1	serous	1	neutral
Height	a. b. c.	14	obovate	1	bisulc	1	
Underground	a. b. c.	15	conic	1	calcare	1	
	bizonia	16	acuminate	1	serous	1	
	corn	17	acuminate	1	prickly	1	
Odor	tuber	b	acute	1	Petiole		
	bulb	1	obtus	2	Form		
LEAVES.		2	truncate	3	terete	3	Stalk
	sessile	3	retuse	4	grooved	4	Peduncle
	p. etiolate	4	emarginate	5	compressed	5	Surface. a. b. c.
	stipulate	5	cordate	6	lead-line	6	Length.
	exsplicate	6	auriculate	7	Kind		
	equitant	7	sagittate	8	margined	8	Height.
		8	hastate	9	clashing	9	Surface. a. b. c.
Arrangement		9	peltate	10	sheathing	10	Involve
On the Stem		10	reniform	11	a. b. c. d.	11	Form
	cauline	11	clashing	12	Stipules		
	radical	12	comate	13	Form		
	ramul	13	decurrent	14	— a. b. c. d.	14	
Along the Axis	alternate.	14		15	Adhæcia		
	scattered.	15		16	tree	16	
	posidite	c	acuminate	1	adhesive	1	
	fasciculate	1	acute	2	clashing	2	
	opposite	2	obtus	3	membranous	3	Scalæ
	verticillate	3	retuse	4	foliaceous	4	No. of nodes.
Duration	persistent	4	emarginate	5	spinous	5	Direction.
	deciduous	5	obcordate	6	S. A. recous	6	erect
		6	orbiculate	7	deciduous	7	spreading
Vernation		7	aristate	8	ligulate	8	reclined
		8		9	BRAGTS		
Texture	succulent	d	revolute	1	Form		
	rigose	1	entire	2	a. b. c. d.	2	
	seriate	2	dentate	3	Surface. a. b. c.	3	
Venation.	seriate	3	crenate	4	ven. aracter	4	
	parallel.	4	repand	5	petaloidous	5	
	straight	5	sinuaty	6	membranous	6	
	curved	6	incised	7	spinous	7	
	transverse	7	fringed	8		8	
Noted.		8	clilate	9		9	
	pinnate	9	serulate	10	Receptacle		
	3-nerved	10	lobed	11	Form		
	radiate	11	clef	12	solitary	12	urn-shaped
Form.		12		13	cyme	13	concave
	Compound.	13	parted	14	lascic	14	flat
	pinnate	14	pericrate	15	glomerule	15	cylindrical
	foliate	15	lyrate	16	veruculifer	16	elongated
		16	divided	17	AXILLARY		convex
Special Forms		17		18	solitary	18	hemispherical
	suckers	18		19	raceme	19	Dist.
	stolons	19		20	corymb	20	hypogynous
	offsets	20		21	umbel	21	perigynous
	runners	21		22	panicle	22	epigynous
	tendrils	22		23	thyrus	23	Surface
Gen. Char.	thorns	23		24	spice	24	naked
	terete	24		25	saxile	25	smooth
	striate	25		26	catkin	26	punctate
	grooved	26		27	head	27	divaricate
	angled.	27		28	FLOWER.		bristly
	solid	28		29	Kinds		
		29		30	puberulent	30	
		30		31	pilosus	31	
		31		32	pubescent	32	
		32		33		33	

CHECK TABLE.

GENERAL FEATURES	1	hollow	9	spatulate	4	villos	5	symmetrical
Habit.	2	flexuose	9	oblong	5	silky	6	complete
.....	3	geniculate	10	elliptical	6	wooly	7	perfect
.....	4	tumid joint	11	oval	7	velvety	8	regular
Surface	12	.....	12	rotund	8	.....	9	staminate
.....	13	.....	13	ovate	9	.....	10	psylliate
Color	14	.....	14	obovate	1	Staf Hairs	11	neutral
Height	15	.....	15	cuneate	2	.....	12	.....
Underground	16	.....	16	.....	3	.....	13	Odor
.....	17	.....	17	.....	4	.....	14	Plan
.....	18	.....	18	.....	5	.....	15	.....
.....	19	.....	19	.....	6	.....	16	.....
.....	20	.....	20	.....	7	.....	17	.....
Color	21	.....	21	.....	8	.....	18	.....
Height	22	.....	22	.....	9	.....	19	.....
Underground	23	.....	23	.....	10	.....	20	.....
.....	24	.....	24	.....	11	.....	21	.....
.....	25	.....	25	.....	12	.....	22	.....
.....	26	.....	26	.....	13	.....	23	.....
.....	27	.....	27	.....	14	.....	24	.....
.....	28	.....	28	.....	15	.....	25	.....
.....	29	.....	29	.....	16	.....	26	.....
.....	30	.....	30	.....	17	.....	27	.....
.....	31	.....	31	.....	18	.....	28	.....
.....	32	.....	32	.....	19	.....	29	.....
.....	33	.....	33	.....	20	.....	30	.....
.....	34	.....	34	.....	21	.....	31	.....
.....	35	.....	35	.....	22	.....	32	.....
.....	36	.....	36	.....	23	.....	33	.....
.....	37	.....	37	.....	24	.....	34	.....
.....	38	.....	38	.....	25	.....	35	.....
.....	39	.....	39	.....	26	.....	36	.....
.....	40	.....	40	.....	27	.....	37	.....
.....	41	.....	41	.....	28	.....	38	.....
.....	42	.....	42	.....	29	.....	39	.....
.....	43	.....	43	.....	30	.....	40	.....
.....	44	.....	44	.....	31	.....	41	.....
.....	45	.....	45	.....	32	.....	42	.....
.....	46	.....	46	.....	33	.....	43	.....
.....	47	.....	47	.....	34	.....	44	.....
.....	48	.....	48	.....	35	.....	45	.....
.....	49	.....	49	.....	36	.....	46	.....
.....	50	.....	50	.....	37	.....	47	.....
.....	51	.....	51	.....	38	.....	48	.....
.....	52	.....	52	.....	39	.....	49	.....
.....	53	.....	53	.....	40	.....	50	.....
.....	54	.....	54	.....	41	.....	51	.....
.....	55	.....	55	.....	42	.....	52	.....
.....	56	.....	56	.....	43	.....	53	.....
.....	57	.....	57	.....	44	.....	54	.....
.....	58	.....	58	.....	45	.....	55	.....
.....	59	.....	59	.....	46	.....	56	.....
.....	60	.....	60	.....	47	.....	57	.....
.....	61	.....	61	.....	48	.....	58	.....
.....	62	.....	62	.....	49	.....	59	.....
.....	63	.....	63	.....	50	.....	60	.....
.....	64	.....	64	.....	51	.....	61	.....
.....	65	.....	65	.....	52	.....	62	.....
.....	66	.....	66	.....	53	.....	63	.....
.....	67	.....	67	.....	54	.....	64	.....
.....	68	.....	68	.....	55	.....	65	.....
.....	69	.....	69	.....	56	.....	66	.....
.....	70	.....	70	.....	57	.....	67	.....
.....	71	.....	71	.....	58	.....	68	.....
.....	72	.....	72	.....	59	.....	69	.....
.....	73	.....	73	.....	60	.....	70	.....
.....	74	.....	74	.....	61	.....	71	.....
.....	75	.....	75	.....	62	.....	72	.....
.....	76	.....	76	.....	63	.....	73	.....
.....	77	.....	77	.....	64	.....	74	.....
.....	78	.....	78	.....	65	.....	75	.....
.....	79	.....	79	.....	66	.....	76	.....
.....	80	.....	80	.....	67	.....	77	.....
.....	81	.....	81	.....	68	.....	78	.....
.....	82	.....	82	.....	69	.....	79	.....
.....	83	.....	83	.....	70	.....	80	.....
.....	84	.....	84	.....	71	.....	81	.....
.....	85	.....	85	.....	72	.....	82	.....
.....	86	.....	86	.....	73	.....	83	.....
.....	87	.....	87	.....	74	.....	84	.....
.....	88	.....	88	.....	75	.....	85	.....
.....	89	.....	89	.....	76	.....	86	.....
.....	90	.....	90	.....	77	.....	87	.....
.....	91	.....	91	.....	78	.....	88	.....
.....	92	.....	92	.....	79	.....	89	.....
.....	93	.....	93	.....	80	.....	90	.....
.....	94	.....	94	.....	81	.....	91	.....
.....	95	.....	95	.....	82	.....	92	.....
.....	96	.....	96	.....	83	.....	93	.....
.....	97	.....	97	.....	84	.....	94	.....
.....	98	.....	98	.....	85	.....	95	.....
.....	99	.....	99	.....	86	.....	96	.....
.....	100	.....	100	.....	87	.....	97	.....
.....	101	.....	101	.....	88	.....	98	.....
.....	102	.....	102	.....	89	.....	99	.....
.....	103	.....	103	.....	90	.....	100	.....
.....	104	.....	104	.....	91	.....	101	.....
.....	105	.....	105	.....	92	.....	102	.....
.....	106	.....	106	.....	93	.....	103	.....
.....	107	.....	107	.....	94	.....	104	.....
.....	108	.....	108	.....	95	.....	105	.....
.....	109	.....	109	.....	96	.....	106	.....
.....	110	.....	110	.....	97	.....	107	.....
.....	111	.....	111	.....	98	.....	108	.....
.....	112	.....	112	.....	99	.....	109	.....
.....	113	.....	113	.....	100	.....	110	.....
.....	114	.....	114	.....	101	.....	111	.....
.....	115	.....	115	.....	102	.....	112	.....
.....	116	.....	116	.....	103	.....	113	.....
.....	117	.....	117	.....	104	.....	114	.....
.....	118	.....	118	.....	105	.....	115	.....
.....	119	.....	119	.....	106	.....	116	.....
.....	120	.....	120	.....	107	.....	117	.....
.....	121	.....	121	.....	108	.....	118	.....
.....	122	.....	122	.....	109	.....	119	.....
.....	123	.....	123	.....	110	.....	120	.....
.....	124	.....	124	.....	111	.....	121	.....
.....	125	.....	125	.....	112	.....	122	.....
.....	126	.....	126	.....	113	.....	123	.....
.....	127	.....	127	.....	114	.....	124	.....
.....	128	.....	128	.....	115	.....	125	.....
.....	129	.....	129	.....	116	.....	126	.....
.....	130	.....	130	.....	117	.....	127	.....
.....	131	.....	131	.....	118	.....	128	.....
.....	132	.....	132	.....	119	.....	129	.....
.....	133	.....	133	.....	120	.....	130	.....
.....	134	.....	134	.....	121	.....	131	.....
.....	135	.....	135	.....	122	.....	132	.....
.....	136	.....	136	.....	123	.....	133	.....
.....	137	.....	137	.....	124	.....	134	.....
.....	138	.....	138	.....	125	.....	135	.....
.....	139	.....	139	.....	126	.....	136	.....
.....	140	.....	140	.....	127	.....	137	.....
.....	141	.....	141	.....	128	.....	138	.....
.....	142	.....	142	.....	129	.....	139	.....
.....	143	.....	143	.....	130	.....	140	.....
.....	144	.....	144	.....	131	.....	141	.....
.....	145	.....	145	.....	132	.....	142	.....
.....	146	.....	146	.....	133	.....	143	.....
.....	147	.....	147	.....	134	.....	144	.....
.....	148	.....	148	.....	135	.....	145	.....
.....	149	.....	149	.....	136	.....	146	.....
.....	150	.....	150	.....	137	.....	147	.....
.....	151	.....	151	.....	138	.....	148	.....
.....	152	.....	152	.....	139	.....	149	.....
.....	153	.....	153	.....	140	.....	150	.....
.....	154	.....	154	.....	141	.....	151	.....
.....	155	.....	155	.....	142	.....	152	.....
.....	156	.....	156	.....	143	.....	153	.....
.....	157	.....	157	.....	144	.....	154	.....
.....	158	.....	158	.....	145	.....	155	.....
.....	159	.....	159	.....	146	.....	156	.....
.....	160	.....	160	.....	147	.....	157	.....
.....	161	.....	161	.....	148	.....	158	.....
.....	162	.....	162	.....	149	.....	159	.....
.....	163	.....	163	.....	150	.....	160	.....
.....	164	.....	164	.....	151	.....	161	.....
.....	165	.....	165	.....	152	.....	162	.....
.....	166	.....	166	.....	153	.....	163	.....
.....	167	.....	167	.....	154	.....	164	.....
.....	168	.....	168	.....	155	.....	165	.....
.....	169	.....	169	.....	156	.....	166	

CHECK TABLE.

GENERAL FEATURES.

Habit.
 1 terrestrial
 2 aquatic
 3 parasitic
 4 aerial
 5 annual
 6 biennial
 7 perennial

Duration
 1 perennial
 2 annual
 3 biennial
 4 ephemeral

Odor
 1 none
 2 aromatic
 3 fetid
 4 medicinal
 5 rancid

Juice
 1 colorless
 2 colored
 3 milky
 4 resinous
 5 gummy
 6 viscid
 7 watery

Color.
 1 green
 2 yellow
 3 red
 4 purple
 5 black
 6 white
 7 brown

Taste.
 1 sweet
 2 bitter
 3 astringent
 4 acrid
 5 saline
 6 mucilaginous
 7 styptic

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Form
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

STEM.
 1 woody
 2 herbaceous
 3 succulent
 4 fleshy
 5 cartilaginous
 6 coriaceous
 7 cartilaginous

Nature
 1 herbaceous
 2 woody
 3 succulent
 4 fleshy
 5 cartilaginous
 6 coriaceous
 7 cartilaginous

Dir. of Growth
 1 upright
 2 decumbent
 3 prostrate
 4 scandent
 5 climbing
 6 twining
 7 creeping

Branching
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Special Forms
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

Gen. Char.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched

1 hollow
 2 flexuose
 3 geniculate
 4 tumid joint
 5 striate
 6 tuberculate
 7 annulate
 8 striate
 9 tuberculate
 10 annulate
 11 striate
 12 tuberculate
 13 annulate
 14 striate
 15 tuberculate

Surface
 1 glabrous
 2 pubescent
 3 tomentose
 4 lanuginous
 5 villous
 6 scabrous
 7 papillose
 8 tuberculate
 9 striate
 10 annulate
 11 striate
 12 tuberculate
 13 annulate
 14 striate
 15 tuberculate

Color
 1 green
 2 yellow
 3 red
 4 purple
 5 black
 6 white
 7 brown

Height
 1 tall
 2 medium
 3 short
 4 creeping
 5 prostrate
 6 scandent
 7 climbing
 8 twining
 9 creeping

Underground
 1 fibrous
 2 tuberous
 3 bulbous
 4 rhizomatous
 5 stoloniferous
 6 caudex
 7 tuberous
 8 bulbous
 9 rhizomatous
 10 stoloniferous
 11 caudex
 12 tuberous
 13 bulbous
 14 rhizomatous
 15 stoloniferous
 16 caudex
 17 tuberous
 18 bulbous
 19 rhizomatous
 20 stoloniferous

LEAVES.
Kinds.
 1 simple
 2 compound
 3 branched
 4 unbranched
 5 branched
 6 unbranched
 7 branched
 8 unbranched
 9 branched
 10 unbranched
 11 branched
 12 unbranched
 13 branched
 14 unbranched
 15 branched
 16 unbranched
 17 branched
 18 unbranched
 19 branched
 20 unbranched

Arrangemen
On the Stem.
 1 opposite
 2 alternate
 3 whorled
 4 verticillate
 5 opposite
 6 alternate
 7 whorled
 8 verticillate
 9 opposite
 10 alternate
 11 whorled
 12 verticillate
 13 opposite
 14 alternate
 15 whorled
 16 verticillate
 17 opposite
 18 alternate
 19 whorled
 20 verticillate

Duration
 1 persistent
 2 deciduous
 3 deciduous
 4 deciduous
 5 deciduous
 6 deciduous
 7 deciduous
 8 deciduous
 9 deciduous
 10 deciduous
 11 deciduous
 12 deciduous
 13 deciduous
 14 deciduous
 15 deciduous
 16 deciduous
 17 deciduous
 18 deciduous
 19 deciduous
 20 deciduous

Vernation
 1 axillary
 2 terminal
 3 axillary
 4 terminal
 5 axillary
 6 terminal
 7 axillary
 8 terminal
 9 axillary
 10 terminal
 11 axillary
 12 terminal
 13 axillary
 14 terminal
 15 axillary
 16 terminal
 17 axillary
 18 terminal
 19 axillary
 20 terminal

Texture
 1 succulent
 2 coriaceous
 3 cartilaginous
 4 fleshy
 5 cartilaginous
 6 coriaceous
 7 cartilaginous
 8 fleshy
 9 cartilaginous
 10 coriaceous
 11 cartilaginous
 12 fleshy
 13 cartilaginous
 14 coriaceous
 15 cartilaginous
 16 fleshy
 17 cartilaginous
 18 coriaceous
 19 cartilaginous
 20 fleshy

Venation.
 1 straight
 2 curved
 3 transverse
 4 straight
 5 curved
 6 transverse
 7 straight
 8 curved
 9 transverse
 10 straight
 11 curved
 12 transverse
 13 straight
 14 curved
 15 transverse
 16 straight
 17 curved
 18 transverse
 19 straight
 20 curved

Netted.
 1 pinnate
 2 3-nerved
 3 5-nerved
 4 palmate
 5 palmate
 6 palmate
 7 palmate
 8 palmate
 9 palmate
 10 palmate
 11 palmate
 12 palmate
 13 palmate
 14 palmate
 15 palmate
 16 palmate
 17 palmate
 18 palmate
 19 palmate
 20 palmate

Form.
 1 pinnate
 2 3-nerved
 3 5-nerved
 4 palmate
 5 palmate
 6 palmate
 7 palmate
 8 palmate
 9 palmate
 10 palmate
 11 palmate
 12 palmate
 13 palmate
 14 palmate
 15 palmate
 16 palmate
 17 palmate
 18 palmate
 19 palmate
 20 palmate

Compound.
 1 pinnate
 2 palmate
 3 palmate
 4 palmate
 5 palmate
 6 palmate
 7 palmate
 8 palmate
 9 palmate
 10 palmate
 11 palmate
 12 palmate
 13 palmate
 14 palmate
 15 palmate
 16 palmate
 17 palmate
 18 palmate
 19 palmate
 20 palmate

Simple, Leaflets
Gen. Outline
 1 elliptical
 2 ovate
 3 ovate
 4 ovate
 5 ovate
 6 ovate
 7 ovate
 8 ovate
 9 ovate
 10 ovate
 11 ovate
 12 ovate
 13 ovate
 14 ovate
 15 ovate
 16 ovate
 17 ovate
 18 ovate
 19 ovate
 20 ovate

Form.
 1 elliptical
 2 ovate
 3 ovate
 4 ovate
 5 ovate
 6 ovate
 7 ovate
 8 ovate
 9 ovate
 10 ovate
 11 ovate
 12 ovate
 13 ovate
 14 ovate
 15 ovate
 16 ovate
 17 ovate
 18 ovate
 19 ovate
 20 ovate

Surface
 1 glabrous
 2 pubescent
 3 tomentose
 4 lanuginous
 5 villous
 6 scabrous
 7 papillose
 8 tuberculate
 9 striate
 10 annulate
 11 striate
 12 tuberculate
 13 annulate
 14 striate
 15 tuberculate
 16 annulate
 17 striate
 18 tuberculate
 19 annulate
 20 striate

Soft Hairs
 1 pubescent
 2 pilosus
 3 pubescent
 4 pilosus
 5 pubescent
 6 pilosus
 7 pubescent
 8 pilosus
 9 pubescent
 10 pilosus
 11 pubescent
 12 pilosus
 13 pubescent
 14 pilosus
 15 pubescent
 16 pilosus
 17 pubescent
 18 pilosus
 19 pubescent
 20 pilosus

FLOWER.
Kinds
 1 complete
 2 complete
 3 complete
 4 complete
 5 complete
 6 complete
 7 complete
 8 complete
 9 complete
 10 complete
 11 complete
 12 complete
 13 complete
 14 complete
 15 complete
 16 complete
 17 complete
 18 complete
 19 complete
 20 complete

Gen. Char.
 1 complete
 2 complete
 3 complete
 4 complete
 5 complete
 6 complete
 7 complete
 8 complete
 9 complete
 10 complete
 11 complete
 12 complete
 13 complete
 14 complete
 15 complete
 16 complete
 17 complete
 18 complete
 19 complete
 20 complete

Gen. Char.
 1 complete
 2 complete
 3 complete
 4 complete
 5 complete
 6 complete
 7 complete
 8 complete
 9 complete
 10 complete
 11 complete
 12 complete
 13 complete
 14 complete
 15 complete
 16 complete
 17 complete
 18 complete
 19 complete
 20 complete

Gen. Char.
 1 complete
 2 complete
 3 complete
 4 complete
 5 complete
 6 complete
 7 complete
 8 complete
 9 complete
 10 complete
 11 complete
 12 complete
 13 complete
 14 complete
 15 complete
 16 complete
 17 complete
 18 complete
 19 complete
 20 complete

1 villous
 2 silky
 3 woolly
 4 velvety
 5 silky
 6 woolly
 7 velvety
 8 silky
 9 woolly
 10 velvety
 11 silky
 12 woolly
 13 velvety
 14 silky
 15 woolly
 16 velvety
 17 silky
 18 woolly
 19 velvety
 20 silky

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
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Stipules
 1 present
 2 absent
 3 present
 4 absent
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Stipules
 1 present
 2 absent
 3 present
 4 absent
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 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
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 7 present
 8 absent
 9 present
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 12 absent
 13 present
 14 absent
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 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
 6 absent
 7 present
 8 absent
 9 present
 10 absent
 11 present
 12 absent
 13 present
 14 absent
 15 present
 16 absent
 17 present
 18 absent
 19 present
 20 absent

Stipules
 1 present
 2 absent
 3 present
 4 absent
 5 present
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CHECK TABLET.

GENERAL FEATURES.	1 hollow 2 flexuose 3 geniculate 4 elliptical 5 tumid joint 6 7 8	9 spatulate 10 oblong 11 elliptical 12 oval 13 round 14 15 16	17 villous 18 silky 19 perfect 20 regular 21 stipitate 22 plicate 23 24	25 symmetrical 26 complete 27 28 29 30	
Habit.	1 aquatic 2 parasitic 3 arisal 4 annual 5 biennial 6 perennial	Surface a b c	Stip hairs 1 2 3 4 5 6 7	Stipules a b c d	
Duration	1 annual 2 biennial 3 perennial	Color 1 2 3 4 5 6 7	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Odor 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Form	1 conical 2 fusiform 3 napiform 4 ramose 5 fibrous 6 fasciculate 7 aeral	LEAVES. Kinds 1 sessile 2 petiolate 3 stipulate 4 exstipulate 5 equitant	Petiole 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Stipules 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Gen. Char.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Stipules 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Stipules 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
STEM.	1 exogenous 2 endogenous	Arrangemen 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
nature	1 herbaceous 2 suffruticose 3 fruticose 4 arborescent 5 arbores	On the Stem 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Dir. of Growth	1 erect 2 ascending 3 decumbent 4 diffuse 5 pectinate 6 climbing 7 twining 8 simple	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Branching	1 furcate 2 excurrent 3 racemose 4 paniculate 5 corymbose 6 diffuse	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
SpecialForms	1 stolonis 2 runners 3 tendrils 4 thorns 5 terete 6 striate 7 grooved 8 angled 9 solid	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Texture	1 succulent 2 coriaceous 3 rugose 4 striate 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Venation	1 straight parallel 2 curved 3 transverse 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Netted.	1 pinnate 2 3-nerved 3 5-nerved 4 radiate	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Form.	1 palmate 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Compound.	1 palmate 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Simple, Leaflets	1 glabrous 2 glandular 3 punctate 4 acicular 5 verrucose	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	
Gen. Char.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Soft Hairs	1 puberulent 2 pilosus 3 4 5 6 7	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Surface	a 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Kind 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Terminal	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Along the Axis 1 2 3 4 5 6 7 8 .			

..... chaffy Texture	..... included inserted	..... versatile introrse extreme	..... included inserted	..... Surface, <i>a. b. c.</i> Color
Calyx. Corolla gamopetalous rotate	..... Sepals, Petals introrse spreading reflexed	..... pendulous sagittate pedate ovate	..... Elocation free-central axillary parietal	..... Gen. Character grooved furrowed
..... saucer-shaped cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate galeate ringent perianthate spurred indented sac-ate	..... Form scapals petals sepals c. c. d. d. spurred petals c. c. d. d.	..... sagittate pedate ovate cordate lobed <i>No. of Cells</i> Dehiscence lateral	..... Ovules Kind orthotropous campylotropous anatropous amphitropous Dit. in Ovary	..... SEED Number oblong ovoid ovoid
Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate	..... closed open simple multiple compound stigma Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branched declinate Position terminal lateral basilar Number Surface, <i>a. b. c.</i> Ovary Adhesion superior half-superior inferior Form Surface, <i>a. b. c.</i> Gen. Features	..... No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Appendages Sepaliferous petaliferous circumscissile Color Texture
Border truncate entire lobed cleft parted Pappus cup scales awns bristles	..... Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate	..... No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Appendages Sepaliferous petaliferous circumscissile Color Texture
Polysepal us rosaceous filiceous cruciferous curculigerous papilionaceous anomalous	..... Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate	..... No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Appendages Sepaliferous petaliferous circumscissile Color Texture
Polypetalous rosaceous filiceous cruciferous curculigerous papilionaceous anomalous	..... Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate	..... No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Appendages Sepaliferous petaliferous circumscissile Color Texture
Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat	..... Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate	..... No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	..... Appendages Sepaliferous petaliferous circumscissile Color Texture
Texture Stamens Number Position alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk lobed cleft lobed long short didynamous tetradynamous Coalescence adelphous synergous Gen. Features included inserted sessile connivent Filament Form capillary filiform Surface, <i>a. b. c.</i> Anther imbricate adnate No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent Kind fleshy Stone drupe Dry achenium utricle samara foliule legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent Appendages Sepaliferous petaliferous circumscissile Color Texture

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ORDER :

Name, } SCIENTIFIC,
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LOCALITY,

No.

DATE,

187

CHECK TABLE.

GENERAL FEATURES.	hollow	spatulate	4	filious	symmetrical
Habit.	flexuose	oblong	9	slimy	complete
terrestrial	geniulate	capitulate	10	waxy	plicate
aquatic	tumid joint	oval	11	velvety	rigid
parasitic	round	12	6	Stiff Hairs	scissate
aerial	13	ovate	13	1	scabrous
Duration	Color	obovate	14	2	hispid
annual	Height	cuneate	15	3	scabrate
biennial	Underground	16	5	4	spinous
perennial	form	acuminate	17	5	prickly
Odor	tuber	2	Petiole	Form	
Juice	bulb	3	1	acuminate	
Color	LEAVES.	2	2	acute	reticulate
Taste	Kinds.	3	3	obtusate	toxic
Gen. Char.	sessile	4	4	truncate	Surface . . . a . . . b . . . c . . .
ROOT.	petiolate	5	5	reflexe	Petiole
confert	stipulate	6	6	emarginate	Length . . .
fusiform	exstipulate	7	7	cordate	Kind
napiiform	equitant	8	8	auriculate	marginated
ramose	9	9	9	sagittate	clashing
solvent	10	10	10	hastate	sheathing
fibrous	11	11	11	pellate	Surface . . . a . . . b . . . c . . .
fasciculate	12	12	12	reniform	INVOLUERE
aerial	13	13	13	clashing	Form
Gen. Char.	14	14	14	comate	cup-shaped
STEM.	15	15	15	decurrent	hemispherical
exogenous	16	16	16	6	bell-shaped
endogenous	Along the Axis—	17	17	7	trylindrical
conglutinous	alternate	18	18	8	conical
herbaceous	scattered	19	19	9	vertical
suffruticose	rosulate	20	20	10	word.
lenticose	fasciculate	21	21	11	Scalio
arborescent	opposite	22	22	12	No. of roots
Dir. of Growth	verticillate	23	23	13	Number
ascendant	Duration	24	24	14	Direction.
decumbent	periscent	25	25	15	appressed
diffuse	deciduous	26	26	16	erect
prostrate	27	27	27	17	spreading
reclining	28	28	28	18	reflexed
climbing	29	29	29	19	Form . . . a . . . b . . . c . . . d . . .
twining	30	30	30	20	Surface . . . a . . . b . . . c . . .
simple	Vernation	31	31	21	toxicity
simplex	32	32	32	22	petaloidous
recurved	33	33	33	23	non-toxicous
recurvate	34	34	34	24	scabrous
paniculate	35	35	35	25	spinous
corymbose	36	36	36	26	long
diffuse	37	37	37	27	toxicity
deliquescent	38	38	38	28	INFLUENCE
Special Forms	39	39	39	29	Terminal
suckers	40	40	40	30	solitary
stolons	41	41	41	31	scissate
offsets	42	42	42	32	filiculate
runners	43	43	43	33	gemmarule
tendrils	44	44	44	34	verruillaster
thorns	45	45	45	35	Axillary
sterile	46	46	46	36	solitary
striate	47	47	47	37	reticulate
grooved	48	48	48	38	corymb
angled.	49	49	49	39	umbel
solid	50	50	50	40	panicle
	51	51	51	41	glabrous
	52	52	52	42	glaucescous
	53	53	53	43	thyrsus
	54	54	54	44	spike
	55	55	55	45	stadix
	56	56	56	46	caulin
	57	57	57	47	head
	58	58	58	48	puberulent
	59	59	59	49	filicose
	60	60	60	50	pubescent
	61	61	61	51	FLOWER.
	62	62	62	52	Kinds

.....chaffy Texture	.....scabrous Surface, <i>a. b. c.</i>	.....included exserted	.....Color Character ribbed furrowed
Calyx-Corolla	.....conspicuous Form	.....free-central parietal	SEED Number
.....gamopetalous	.....sessile oblong ovate obovoid	.....orthotropous campylotropous anatropous amphitropous	Form
.....gamopetalous	.....obovoid	.....erect	Attachment
.....saucer-shaped	.....obovoid	.....ascending horizontal	Coats
.....cup-shaped	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....tunnel-form	.....obovoid	.....erect	FRUIT
.....syrinx-form	.....obovoid	.....ascending horizontal	Definitive
.....urn-shaped	.....obovoid	.....pendulous subsuspended	Form
.....ton-shaped	.....obovoid	.....erect	Number
Aestivation	.....obovoid	.....ascending horizontal	Coats
.....open	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....obovoid	.....obovoid	.....erect	FRUIT
.....imbricate	.....obovoid	.....ascending horizontal	Definitive
.....ligulate	.....obovoid	.....pendulous subsuspended	Form
.....obovoid	.....obovoid	.....erect	Number
.....personate	.....obovoid	.....ascending horizontal	Coats
.....spurred	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....inflated	.....obovoid	.....erect	FRUIT
.....saccate	.....obovoid	.....ascending horizontal	Definitive
Border	.....obovoid	.....pendulous subsuspended	Form
.....truncate	.....obovoid	.....erect	Number
.....entire	.....obovoid	.....ascending horizontal	Coats
.....lobed	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....parted	.....obovoid	.....erect	FRUIT
Pappus	.....obovoid	.....ascending horizontal	Definitive
.....cup	.....obovoid	.....pendulous subsuspended	Form
.....scales	.....obovoid	.....erect	Number
.....awns	.....obovoid	.....ascending horizontal	Coats
.....bristles	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
Polysepal us	.....obovoid	.....erect	FRUIT
Polyptelonea	.....obovoid	.....ascending horizontal	Definitive
.....rosaceous	.....obovoid	.....pendulous subsuspended	Form
.....lilaceous	.....obovoid	.....erect	Number
.....cruciferous	.....obovoid	.....ascending horizontal	Coats
.....short	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....eryophyllaceous	.....obovoid	.....erect	FRUIT
.....papilionaceous	.....obovoid	.....ascending horizontal	Definitive
.....anomalous	.....obovoid	.....pendulous subsuspended	Form
Duration	.....obovoid	.....erect	Number
.....deciduous	.....obovoid	.....ascending horizontal	Coats
.....marcescent	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....persistent	.....obovoid	.....erect	FRUIT
Color	.....obovoid	.....ascending horizontal	Definitive
.....calyx	.....obovoid	.....pendulous subsuspended	Form
.....corolla	.....obovoid	.....erect	Number
Surface	.....obovoid	.....ascending horizontal	Coats
.....calyx	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....ribbed	.....obovoid	.....erect	FRUIT
.....nerved	.....obovoid	.....ascending horizontal	Definitive
.....corolla	.....obovoid	.....pendulous subsuspended	Form
.....throat	.....obovoid	.....erect	Number
Texture	.....obovoid	.....ascending horizontal	Coats
.....membranous	.....obovoid	.....pendulous subsuspended	Surface, <i>a. b. c.</i>
.....cartaceous	.....obovoid	.....erect	FRUIT
.....succulent	.....obovoid	.....ascending horizontal	Definitive
.....succulent	.....obovoid	.....pendulous subsuspended	Form

REMARKS:

ORDER:

Name, { SCIENTIFIC,
{ COMMON,
LOCALITY,

No.

DATE,

187

.....chaffy Texture	.....versatile introrse extrorse pendulous Form.....sagittate.....ovoid.....curved.....cupped	.....included.....esserted Flaccidation.....intra-central.....subillary.....parietal	.....Surface, <i>a. b. c.</i> Color Gen. Character.....ribbed.....furrowed
Calyx. Corolla.....gamopetalous.....rotate.....saucer-shaped.....cup-shaped.....campanulate.....funnel-form.....silver-form.....urn-shaped.....top-shaped.....tubular.....ligulate.....lobate.....galeate.....ringent.....personate.....spurred.....inflated.....saccate	Stamens Number Position.....alternate.....opposite Insertion.....hypogynous.....epigynous.....Gynandrous on a disk.....lobed.....epipetalous Length.....long.....short.....didynamous.....tetradynamous Cohesion.....synchaetous.....adichous	Ovules Size.....orthotropous.....campylotropous.....anatropous.....orthotropous.....anatropous Dir. in Ovary.....erect	SEED Number Form.....oblong.....ovate.....ovoid
Border.....truncate.....entire.....lobed.....cleft.....parted Papys.....cup.....scales.....awns.....bristles Poysepals us Polypetalous.....rosaceous.....Ritaceous.....cruciferous.....caryophyllaceous.....papilionaceous.....anomalous Duration.....deciduous.....marcescent.....persistent Color.....calyx.....corolla Surface.....calyx.....ribbed.....nerved.....corolla.....throat	Stigma Position.....terminal.....lateral.....sessile Form.....discoid.....globose.....lobed.....filiform.....linear Styic Form.....filiform.....branching.....declinate Position.....terminal.....lateral.....basilar Number <i>a. b. c.</i> Ovary Adhesion.....superior.....half-superior.....inferior No. of Cells Form <i>a. b. c.</i> Gen. Features	Kinds Flexy.....berry.....pepo.....pome Stone.....drupe Dry.....achenium.....utricle.....follicle.....samarra.....legume.....capsule.....silique.....silicle.....pysis Aggregate Accessory.....Multiple No. of Cells Odor Taste Pericarp Texture.....membranous.....cartilagenous.....sarculent	Attachment.....sessile.....funiculate Coats Surface, <i>a. b. c.</i> Color Texture
Texture	Attachmentinnateadmate	Albumen Quantity Texture Color Embryo Formstraightbentrolled Sizeoutsideinside Radicle Direction Length Plumule Number Position Cotyledons Form Size Number Texture	

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ORDER : No.
 Name, { SCIENTIFIC,
 { COMMON,
 LOCALITY, DATE, 187.....

CHECK TABLET.

GENERAL FEATURES.

Habit.....
 deracinate
 parasitic
 aerial

Duration.....
 annual
 biennial
 perennial

Odor

Juice.....
 Color.....
 Taste.....
 Gen. Char.....

ROOT.

Form.....
 conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 fascicled

Gen. Char.

STEM.....
 tetragonus
 trigonus

Nature.....
 herbaceous
 suffruticose
 fruticose
 fibroscant
 fibrous

Dir. of Growth

erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
 simple

Branching

simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Special Forms

suckers
 stolons
 offsets
 runners
 tendrils
 thorns

Gen. Char.

terete
 striate
 grooved
 angled
 solid

hollow
 flexuose
 geniculate
 filiform
 tumid joint

Surface

a.....
 b.....
 c.....

Color

obovate
 cuneate

Underground

rhizoma
 tuber
 bulb
 sessile
 petiolate
 stipulate
 exspillate
 equitant

Arrangement

On the stem.....
 cauline
 radical
 ramal
 Along the axis.....
 alternate
 scattered
 rosette
 fasciculate
 opposite
 verticillate

Duration

perennial
 deciduous

Vernation

reticent
 coriaceous
 rugose
 S. ac. anis
 fascicled

Venation

straight
 curved
 transverse

Netted.

pinnate
 3-nerved
 5-nerved
 pinnate
 3-nerved
 5-nerved
 pinnate

Form.

pinnate
 palmate
 foliate

Simple, Leaves
 Gen. Outline
 1.....
 2.....
 3.....
 4.....
 5.....
 lanceolate
 oblanceolate

Villose
 silky
 woolly
 webby
 eg. hair
 glabrate
 pubescent

Stip. base

scabrous
 hispid
 acute
 sinuous
 prickly

Petiole

Form.....
 truncate
 grooved
 compressed
 leaf-like

Kind

margined
 clasping
 sheathing
 Surface a.....
 b.....
 c.....

Stipules

Form.....
 a.....
 b.....
 c.....
 d.....
 Adnate
 free
 adnate
 clasping
 membranous
 imbricate
 sinuous

Duration

scabrous
 persistent
 deciduous
 legation

BRACTS

Form.....
 a.....
 b.....
 c.....
 d.....
 vel. Unnavigar
 pubescent
 membranous
 sinuous

INFLORES

Terminal
 solitary
 cyme
 cyme
 fascicle
 glomerule
 verticillaster

Auxiliary

raceme
 corymb
 umbel
 panic
 thyrus
 spike
 Spath x
 catkin
 head

hemispherical
 Disk.
 hypogynous
 perigynous
 epigynous
 Surface
 naked
 smooth
 punctate
 adscate
 bristly

symmetrical
 complete
 perfect
 eg. hair
 glabrate
 pubescent

Stipule
 Form.....
 a.....
 b.....
 c.....
 d.....
 e.....
 microns

Stalk
 Form.....
 Length.....
 Surface a.....
 b.....
 c.....
 Length.....
 Pedicel

Scope
 Surface a.....
 b.....
 c.....
 Form.....
 rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid

Scale
 No. of rows.....
 Mumber.....
 Direction.....
 erect
 spreading
 reflexed

Form a.....
 b.....
 c.....
 d.....
 Surface a.....
 b.....
 c.....
 hemispherical
 tuberculous
 sinuous
 rigid
 leafy

Form
 a.....
 b.....
 c.....
 d.....
 Surface a.....
 b.....
 c.....
 hemispherical
 tuberculous
 sinuous
 rigid
 leafy

Form
 a.....
 b.....
 c.....
 d.....
 Surface a.....
 b.....
 c.....
 hemispherical
 tuberculous
 sinuous
 rigid
 leafy

Form
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 c.....
 d.....
 Surface a.....
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 c.....
 hemispherical
 tuberculous
 sinuous
 rigid
 leafy

Form
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 Surface a.....
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 hemispherical
 tuberculous
 sinuous
 rigid
 leafy

FLOWER.

Kind

..... chiefly Texture versatile insearse extreme included Surface <i>a. b. c.</i>
Calyx-Corolla <i>C. monocarpellous</i>	Sepals, Petals appressed spreading reflexed	Placentation five-central axillary parietal	Gen. Character ribbed grooved furrowed
..... rotate	..... capsular pedicel pedicel cordate lobed	Ovules <i>Kind</i> orthotropous campylotropous anatropous amphitropous	SEED Number
..... a. b. c. d. a. b. c. d.	No. of Cells <i>Delimitation</i> lateral	Dir. in Ovary ascending horizontal pendulous suspended	Form oblong ovate ovoid
Aestivation open induplicate reduplicate imbricate contorted convolute plicate supervolute	Pollen <i>Polinia</i> Pistil <i>Kinds</i> closed open simple multiple <i>Stigma</i> Number <i>Position</i> terminal lateral sessile	Attachment sessile funiculate	Coats <i>Surface a. b. c.</i> Color Texture
Stamens Number <i>Position</i> alternate opposite Insertion hypogynous perigynous epigynous gynandrous on a disk epipetalous	Form discoid globose lobed filiform linear	Alburnen Quantity Texture Color	Embryo Form straight bent rolled
..... Length long short didymous tetradynamous Cohesion adichous synergensious	Style <i>Form</i> filiform branching declinate	Kinds <i>Fleshy</i> berry pepo pome <i>Stone</i> drupe <i>Dry</i> achenium utricle follicle legume capsule silique silicle pyxis	Position as to Albumen outside inside Radicle <i>Direction</i> <i>Length</i> Plumule Number Position Cotyledons Form
Gen. Features included exserted sessile connivent	Position terminal lateral basilar	Aggregata Accessory Multiple	Size Number Texture
Filament <i>Form</i> capillary filiform	Ovary <i>Adhesion</i> superior half-superior inferior	No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Size Number Texture
..... Surface <i>a. b. c. d.</i> Anchor <i>Attachment</i> innate adnate	No. of Cells Form		

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

187

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration
 annual
 biennial
 perennial

Odor

Juice
 color
 taste
Gen. Char.

ROOT.

Form
 conical
 fusiform
 napiform
 ramose
 solvent
 fibrous
 fasciculate
 aereal

Gen. Char.

STEM.
 exogenous
 endogenous

Mature

herbaceous
 suffrutescent
 suffruticose
 fruticose
 arborescent

Dir. of Growth

arborescous
 erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining

Branching

simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Special Forms

suckers
 stolons
 runners
 tendrils
 thorns

Gen. Char.

striate
 grooved
 angled,
 solid

hollow
 flexuose
 geniculate
 tumid joint

Surface

a. b. c
Color
Height
Underground
 rhizomatous
 tuber
 bulb

LEAVES.

Kinds
 sessile
 petiolate
 stipulate
 equitant

Arrangement

On the Stem.
 cauline
 radical
 ramal
 aereal

Along the Axis.

alternate,
 rosulate
 fasciculate
 opposite
 verticillate

Duration

persistent
 deciduous

Vernation

succulent
 coriaceous
 rugose
 scarious

Venation.

parallel
 straight
 curved
 transverse
Netted.
 pinnate
 3-nerved
 5-nerved
 radiate

Form.

Compound.
 pinnate
 palmate
 foliate

Simple, Leaflets

Gen., Outline
 fluitiform
 acicular
 acerose
 subulate
 linear
 lanceolate
 oblanceolate

spatululate
 oblong
 elliptical
 oval
 round
 ovate
 obovate
 truncate
 cuneate

Base

acuminate
 acute
 obtuse
 truncate
 rebus
 emarginate
 cordate
 auriculate
 sagittate
 hastate
 reniform
 clasping
 connate
 decurrent

Apex

acuminate
 acute
 obtuse
 truncate
 rebus
 emarginate
 auriculate
 sagittate
 hastate
 reniform
 clasping
 connate
 decurrent

Margin

entire
 serrate
 dentate
 crenate
 repand
 sinuate
 incised
 ciliate
 lobed
 cleft
 parted
 pectinate
 lyrate
 runcinate
 divided

Surface

No Hairs
 glabrous
 glaucous
 punctate
 verrucose

Soft Hairs

puberulent
 linear
 lanceolate
 oblanceolate

villous
 silky
 woolly
 velvety

Silf Hairs

scabrous
 hispid
 spinous
 prickly

Petiole Form

terete
 grooved
 compressed
 leaf-like

Kind

margined
 clasping
 sheathing

Surface

a. b. c

Stipules Form

free
 adnate
 clasping
 membranous
 spinous
 staccuous
 persistent
 deciduous
 fugacious

BRACTS Form

a. b. c. d.

Gen. Character

toiraccous
 petaloidous
 spinous
 anembranous
 spinous

Terminal

solitary
 cyme
 fascicle
 glomerule
 verticillaster

Axillary

solitary
 raceme
 corymb
 umbel
 panicle
 thyrsum
 spike
 spadix
 catkin
 head

INFLORESCENCE

petaloidous
 foliaceous
 scarious
 spinous
 rigid
 chafly

symmetrical
 complete
 perfect
 regular
 staminate
 pistillate
 neutral

Odor

merous

Plan

merous

Stalk

Pedicel
 Length.
 Surface. a. b. c.

Involute

Form
 toiraccous
 cup-shaped
 hemispherical
 hemi-sclipped
 cylindrical
 conical
 ovoid.

Scates

No. of rows.
Number.
Direction.

appressed

erect
 spreading
 reflexed

Form

a. b. c. d.

Surface

petaloidous
 foliaceous
 scarious
 spinous
 rigid
 chafly

Receptacle

urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 hemispherical

Disk.

hypanthium is
 perigynous
 epigynous
Surface
 naked
 smooth
 punctate
 alveolate
 bristly

FLOWER.

Kinds

chaffly
Texture

Calyx-Corolla

Campanulatus
..... tubular
..... saucer-shaped
..... lobate
..... campanulate
..... funnel-form
..... salver-form
..... urn-shaped
..... top-shaped
..... tubular
..... figulate
..... lobate
..... gurgate
..... ringent
..... personate
..... spurred
..... inflated
..... succate

Border

..... truncate
..... entire
..... lobed
..... parted
..... cleft

Fappus

..... cup
..... awns
..... scales
..... bristles

Pappus as

Polypetalous
..... rosaceous
..... bilabiate
..... cruciferous
..... curculionaceous
..... papilionaceous
..... anomalous

Duration

..... deciduous
..... marcescent
..... persistent

Color

..... calyx
..... corolla

Surface

..... calyx
..... ribbed
..... nerved
..... corolla
..... throat

Texture

Sepals, Petals
..... appressed
..... spreading
..... reflexed

Form

..... sepals
..... petals
..... sepals
..... spurred
..... petals

Activation

..... open
..... involucre
..... reduplicate
..... imbricate
..... convolute
..... plicate
..... supervolute

Stamens

Number
..... alternate
..... opposite
Insertion
..... hypogynous
..... epigynous
..... gynandrous
..... epipetalous
Length
..... long
..... short
..... didynamous
..... tetradynamous
Cohesion
..... adelphous
..... syngenesious
Gen. Features
..... included
..... sessile
..... connivent

Filament

Form
..... capillary
..... filiform
..... filiform

Surface, a. b. c.

..... 2
Anchor
..... imbricate
..... adnate

..... versatile
..... introrse
..... pendulous
Form
..... sagittate
..... pedate
..... cordate
..... *obovate*
Dehiscence
..... lateral

No. of Cells

..... lateral
Petalon
Pellina

Pistil

Kind
..... closed
..... open
Cohesion
..... simple
..... multiple
..... compound
Number
Stigma
Position
..... terminal
..... lateral
..... sessile
Form
..... discoid
..... globose
..... lobed
..... filiform
..... linear

Style

Form
..... Style
..... filiform
..... branching
..... decimate
Position
..... terminal
..... lateral
..... basilar
Number
Surface, a. b. c.
..... ovary
Adhesion
..... superior
..... half-superior
..... inferior
No. of Cells
Form

Surface, a. b. c.

..... a. b. c.
Gen. Features

..... included
..... exserted
Flaccidation
..... free-central
..... axillary
..... parietal

Ovules

Kind
..... orthotropous
..... campylotropous
..... anatropous
..... amphitropous
Dir. in Ovary
..... erect
..... ascending
..... horizontal
..... pendulous
..... suspended

Number

Dehiscence
..... apical
..... locular
..... septifragal
..... circumscissile
Kinds
Floaby
..... berry
..... peppy
..... pomic
..... Stone
..... drupe
Dry
..... achenium
..... utricle
..... samara
..... follicle
..... legume
..... capsule
..... silique
..... silicle
..... pyxis

Aggregate

..... Accessory
..... Multiple
No. of Cells
Odor
Taste
Pericarp
..... membranous
..... coriaceous
..... succulent
Texture

Aggregate

..... Accessory
..... Multiple
No. of Cells
Odor
Taste
Pericarp
..... membranous
..... coriaceous
..... succulent
Texture

Flumule

Number
Position
Coryleous
Form

No. of Cells

Odor
Taste
Pericarp
..... membranous
..... coriaceous
..... succulent
Texture

Surface, a. b. c.
..... Color
Gen. Character
..... ribbed
..... grooved
..... furrowed

SEED

Number
Form
..... oblong
..... ovate
..... ovoid

Attachment

..... sessile
..... funiculate
Coats
Surface, a. b. c.

Color

Texture
Appendages
..... axil
..... caruncle
..... straphiote
..... wing
..... coma
Albumen
..... quantity
Texture
Color

Embryo

Form
..... straight
..... bent
..... rolled
Size
Position as to Albumen
..... inside
..... outside
Radicle
Direction
Length

Flumule

Number
Position
Coryleous
Form

Size

Number
Texture

REMARKS:

ORDER :

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

No.

DATE, 187

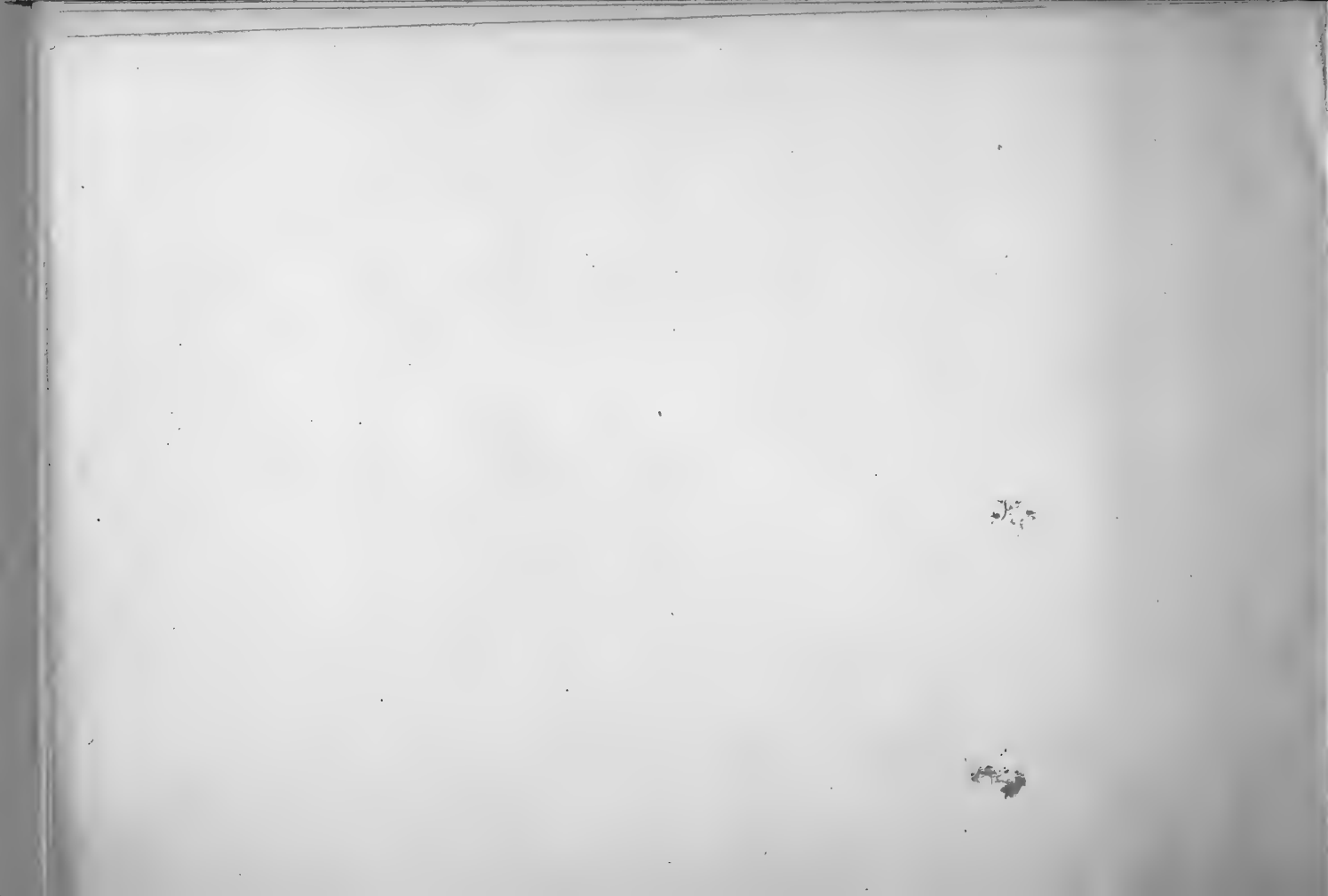
chafy Texture	capitate appressed spread reflexed	versatile intra-se pendulous	included exserted	Surface, <i>a. b. c.</i>
Calyx, Corolla Gamopetalous fortate	scapels petals	saccharate pedate cordate	free-central axillary parietal	Color Gen. Character ribbed grooved furrowed
saucer-shaped cup-shaped campanulate funnel-form salver-form arm-shaped top-shaped tubular tubulate ligulate lobate gulate ringent perianthate spurred infracted saccate	Form scapels petals	<i>infused</i> Delicence lateral	SEED Number Form oblong ovate ovoid	
Stamens Number Position Insertion scapels avans bristles Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	No. of Cells <i>Delicence</i> lateral	Attachment sessile lunifoliate	
Stamens Number Position Insertion scapels avans bristles Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Form closed open simple multiple compound	Coats Surface, <i>a. b. c.</i>	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Appendages articulate septifragal circumscissile	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Albumen Quantity Texture Color	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Embryo Form straight bent rolled	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Position as to Albumen inside outside	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Dissection Length	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Plumule Number Position Corymbous Form	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma	Size Number Texture	
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma		
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma		
Pappus cup scales avans bristles	epineuric multiplicate reuplicate imbriate convolute picate supervolvute	Number Stigma		

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY, DATE, 187.....



CHECK TABLE.

GENERAL FEATURES.	hollow	4	villous	symmetrical
Habit.	flexuose	5	sulky	complete
terrestrial	genuiculate	10	wooly	perfect
aquatic	humid joint	11	vevicy	scapular
parasitic	Surface	7	Stiff Hairs	scapulate
aerial	a. b. c.	12	round	neutral
Duration	Color	13	obovate	
annual	Height	14	obovate	
biennial	Underground	15	coniccate	
perennial	rhizoma	16	scapular	
Odor	corn	1	prickly	Odor
	tuber	2		
	bath	3		Stalk
Juice	LEAVES.	4	Petiole	Form
Color	Kinds	5	obovate	Form
Taste	sessile	6	truncate	Length
Gen. Char.	p. ciliolate	7	retuse	Surface
ROOT.	stipulate	8	emarginate	Form
conical	exstipulate	9	cordate	Length
fusiform	equitant	10	auriculate	Kind
napiform	On the Stem	11	auriculate	Surface
ramose	radial	12	auriculate	Length
solvent	cauline	13	auriculate	Height
fibrous	radial	14	auriculate	Surface
fasciculate	axillal	15	auriculate	Form
aerial	Along the Axis	16	auriculate	Surface
Gen. Char.	adnate	1	auriculate	Kind
	scattered	2	auriculate	Surface
STEM.	rostrate	3	auriculate	Length
exogenous	fasciculate	4	auriculate	Surface
endogenous	opposite	5	auriculate	Kind
nature	verticillate	6	auriculate	Surface
herbaceous	persistent	7	auriculate	Kind
suffruticose	deciduous	8	auriculate	Surface
suffruticose	Duration	9	auriculate	Kind
fruticose	deciduous	10	auriculate	Surface
arborescent	Vernation	11	auriculate	Kind
arborescent	Texture	12	auriculate	Surface
creeping	succulent	1	auriculate	Kind
decumbent	coriaceous	2	auriculate	Surface
diffuse	rigid	3	auriculate	Kind
prostrate	straggling	4	auriculate	Surface
creeping	straight	5	auriculate	Kind
climbing	curved	6	auriculate	Surface
twining	transverse	7	auriculate	Kind
simple	Noted.	8	auriculate	Surface
farate	pinnate	9	auriculate	Kind
racemose	3-nerved	10	auriculate	Surface
paniculate	5-nerved	11	auriculate	Kind
corymbose	radiate	12	auriculate	Surface
diffuse	Form.	13	auriculate	Kind
deliquescent	Compound.	14	auriculate	Surface
SpecialForms	pinnate	15	auriculate	Kind
suckers	palinate	16	auriculate	Surface
stolons	foliate	1	auriculate	Kind
offsets	Simple, Leaves	2	auriculate	Surface
runners	Gen. Outline	3	auriculate	Kind
tendrils	filiform	4	auriculate	Surface
thorns	acicular	5	auriculate	Kind
Gen. Char.	acrose	6	auriculate	Surface
terete	subulate	7	auriculate	Kind
striate	linear	8	auriculate	Surface
grooved	lanccolate	9	auriculate	Kind
angled.	oblanceolate	10	auriculate	Surface
solid		11	auriculate	Kind

FLOWER.
Kinds

RECEPTACLE.
Form

AXILLARY.
Sultry

BRACTS.
Form

STEM.
Form

INFLUENCE.
Terminal

ADHESION.
Tree

GEN. CHAR.
No. of rays.

STIPULES.
Form

SCALES.
Number

STIPULES.
Form

SCALES.
Number

SCALES.
Number

SCALES.
Number

SCALES.
Number

chaffy Texture	Sopals, Totals appressed spreading reflexed	versatile introrse extorse pendulous	included exserted	Surface, a. b. . . c.
Calyx-Corolla gamosepalous Campanulatus	sepals petals Form	sagittate peltate awned cordate lobed	axillary parietal	Gen. Character ribbed grooved furrowed
saucer-shaped cup-shalicate campanulate tunnel-form salver-form urn-shaped	Form a. b. . . c. d. spurred petals a. b. . . c. d.	No. of Cells obovate oblong obovate lateral	Ovules Kind orthotropous campylotropous anatropous ambitropous	SEED Number
top-shaped tubular lobulate lobate galeate ringent personate spurred indusid saccate	Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicata superior	Pollen Pollinia	Dir. in Ovary erect ascending horizontal pendulous suspended	Attachment sessile funiculate
truncate entire lobed clef parted Pappus cup scales awns bristles	Stamens Number Position Insertion hypanthium perigonous epigynous on a disk cappitatus	Kind open closed Cohesion simple multipk compound	FRUIT Dehiscence septifragal buccifragal circumscissile	Coats Surface, a. b. . . c.
Polysepal us Polypetalous	Length long short didymous tetradymous obovate adcliphous angustichous	Number Stigma Position lateral sessile	Kinds Fleshy berry pepo pome	Color Texture
rosaceous filiceous cruciferous curcophylloceous papilionaceous anomalous	Gen. Features included exserted sessile comitent	Form disoid globose lobed filiform linear	Albumen Quantity Texture Color	Embryo Form straight bent rolled
deciduous marcescent persistent	Attachment imbricate adnate	Position terminal lateral basilar	Aggregatio Accessory Multiple	Size Position as to Albumen inside outside
Color calyx corolla	Fluiment Form capillary filiform	Position terminal lateral basilar	NO. of Cells Multiple	Direction Length
Surface calyx ribbed nerved corolla throat	Surface, a. b. . . 2 Anther Attachment imbricate adnate	Number Surface, a. b. . . c.	NO. of Cells Multiple	NO. of Cells
Texture		Gen. Features	Odor Taste Pericarp Texture	Size Number Form
			membranous coriaceous succulent	Complexions Form

REMARKS:

ORDER: No.

Name, { SCIENTIFIC,
{ COMMON,

LOCALITY,

DATE,

CHECK TABLET.

GENERAL FEATURES.

Habit. terrestrial
 aquatic
 parasitic
 aerial
Duration annual
 biennial
 per. annul

Odor

Juice
 Color
 Taste
 Gen. Char.

Form

..... conical
 fusiform
 napiform
 rhizome
 solvent
 fibrous
 fasciculate
 acaerial

8 spatulate
 9 oblong
 10 elliptical
 11 oval
 12 round
 13 ovate
 14 obovate
 15 cuneate
 16
Rise
 1 acuminate
 2 acute
 3 obtuse
 4 truncate
 5 retuse
 6 emarginate
 7 cordate
 8 auriculate
 9 sagittate
 10 hastate
 11 peltate
 12 reniform
 13 clasping
 14 connate
 15 decurrent
 16

Petiole

Form
 terete
 compressed
 leaf-like
Kind
 pinnatifid
 clasping
 sheathing
Surface *a. b. c. d.*
Length
Stipules
 - *a. b. c. d.*
 Adnate
 Free

..... symmetrical
 complex
 perfect
 regular
 staminate
 pistillate
 neutral
Odor
Plan
Stalk
Length
Surface *a. b. c. d.*
Feetol
Length
Shape
Height
Surface *a. b. c. d.*
Involute
 rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid

Gen. Char.

STEM.

..... exogenous
 endogenous
Texture
 herbaceous
 suffruticose
 fibrose
 arborescent
 arboreous
 erect
 assurgent
 decumbent
 distich
 prostrate
 creeping
 climbing
 twining
 simple
 furcate

Dir. of Growth

..... ascending
 decumbent
 distich
 prostrate
 creeping
 climbing
 twining
 simple

Branching

..... furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffusecent
 deliquescent

Special Forms

..... sarklers
 stolons
 offsets
 runners
 tendrils
 thorns
 acrore
 striate
 grooved
 angled
 solid

Gen. Character
 membranous
 foliaceous
 spinous
 setaceous
 persistent
 deciduous
 fugacious

BRACTS

a. b. c. d.
 Form
 ven. Character
 petalaceous
 membranous
 spinous

INFLORESCENCE

Terminal
 solitary
 cyme
 fasciculate
 glomerule
 paniculate
 verticillaster

Axillary

..... raceme
 corymb
 umbel
 panicle
 thyrsus
 spike
 spadix
 catkin
 head

Surface

a No hairs
 1 glabrous
 2 punctate
 3 punctate
 4 verrucose
 5
Soft Hairs
 1 puberulent
 2 pilosus
 3 pubescent

..... Scallops
No. of rows
Number
Direction
 appressed
 spreading
 reticel

Form

a. b. c. d.
 petiolelike
 foliaceous
 spinous
 rugulose
 cherty

Receptacle

..... urn-shaped
 concave
 flat
 cylindrical
 conical
 convex
 hemispherical

Disk

..... hypogynous
 perigynous
 epigynous
Surface
 naked
 smooth
 pubescent
 pilosulate
 bristly

FLOWER.

.....

Kinds

.....

.....

.....

.....

.....

.....

..... chaffy Texture	..... versatille introrse extrose pendulous Form sagittate peltate awned cordate lobed Dehiscence lateral	..... included exserted Flaccidation axillary parietal	..... included exserted Flaccidation axillary parietal
Calyx-Corolla Gamosepalous Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped lobular ligulate lobate glande fringed personate spurred inflated sacrate	Stamens Number..... Fecundation..... alternate opposite Insertion hypogynous perigynous epigynous gynandrium on a disk epipetalous Length..... long short didynamous tetradynamous Cohesion..... adelphous synergensious Gen. Features..... included exserted sessile commivent Filament Form..... capillary filiform Surface, a. b. c. Anther Attachment..... imate adnate	..... closed open simple multiple compound Nanthe..... Stigma..... Position..... terminal lateral sessile Form..... discoid globose lobed filiform linear Style..... Form..... filiform branchia declinate Position..... terminal lateral basilar Number..... Surface, a. b. c. Ovary..... Adhesion..... half-superior inferior No. of Cells..... Form..... Gen. Features.....	..... orthotropous campylotropous anatropous amphitropous Dir. in Ovary..... erect ascending horizontal pendulous suspended Nanthe..... Dehiscence..... septicidal loculicidal septifragal circumscissile Kinds..... Fecity..... berry pepo pome Stone drupe Dry..... achenium utricle samara foliicle legume capsule silicle pyxis Aggregate..... Accessory..... Multiple..... No. of Cells..... Odor..... Taste..... Pericarp..... Texture..... membranous coriaceous succulent
Border truncate entire lobed cleft parted Pappus cup scales awns bristles Polysepal. us Polyptalous rosaceous lilaceous cruciferous carophyllaceous papilionaceous anomalous Duration..... deciduous marcescent persistent Color..... calyx corolla Surface..... calyx ribbed nerved corolla throat Texture.....	Attachment sessile funiculate Coats Surface, a. b. c. Color..... Texture..... Appendages..... aril straphiloid wing coma Albumen Quantity..... Texture..... Color..... Embryo Form..... straight bent rolled Size Position as to Albumen..... outside inside Radicle Direction..... Length..... Plumule..... Number..... Position..... Cotyledons Form..... Size..... Number..... Texture.....		
REMARKS:	ORDER:	No.	NAME, { SCIENTIFIC, COMMON, LOCALITY,
			DATE,
			187.....

CHECK TABLE.

GENERAL FEATURES hollow	4	villous symmetrical
Habit flexuose	5	silly compact
..... terrestrial geniculate	6	wooly pectic
..... aquatic tumid joint	7	velvety glabrous
..... parasitic a. b. c.	8	round staminate
..... aerial ovate	13	obovate pistillate
Duration annal	14	obovate neutral
..... biennial Height	15	cuscate	
..... perennial Underground	16	cuscate	
Odor corn	b	acuminate	
 tuber	1	acuminate	
 bulb	2	acute	
Juice LEAVES.	3	obtusc	
..... Color Kinds	4	truncate	
..... Taste sessile	5	retruse	
..... Gen. Char. stipulate	6	emarginate	
ROOT. stipulate	7	cordate	
Form exstipulate	8	auriculate	
..... conical equitant	9	basilare	
..... fusiform Arrangemen	10	basilare	
..... napiform On the Stem.	11	reniform	
..... ramose cauline	12	reniform	
..... subscapular radical	13	clausip	
..... fasciculate runcal	14	comate	
..... acrial Along the Axis.	15	decurrent	
 alternate,	c	4	acuminate
Gen. Char. scattered	1	acute	
 fasciculate	2	obtusc	
 opposite	3	obtusc	
 verticillate	4	truncate	
STEM. persistent	5	retruse	
..... exogenous deciduous	6	emarginate	
..... endogenous deciduous	7	obcordate	
..... herbaceous Vernation	8	cuspidate	
..... suffruticose Texture	9	auriculate	
..... fruticose Salicent	10	auriculate	
..... arborescent Coriari	d	revolute	
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..... erect S. ovs	2	seriate	
..... assurgent prostrate	3	dentate	
..... decumbent Bark.	4	crenate	
..... lituce straight	5	repand	
..... prostrate curved	6	sinuate	
..... creeping transverse	7	incised	
..... climbing Netted.	8	fringed	
..... twining 2-nerved	9	clilate	
..... simple 5-nerved	10	serullate	
..... furcate Radiate	11	lobed	
..... excurrent Form.	12	clift	
..... racemose Compound.	13	partite	
..... paniculate pubescent	14	pectinate	
..... corymbose pubescent	15	lyrate	
..... diffuse pubescent	16	runcinate	
..... deliquescent pubescent	17	divided	
SpecialForms pubescent	18	divided	
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..... suckers 1	1	glabrous	
..... offsets 2	2	pubescent	
..... runners 3	3	glauca	
..... tendrils 4	4	verucose	
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REMARKS:

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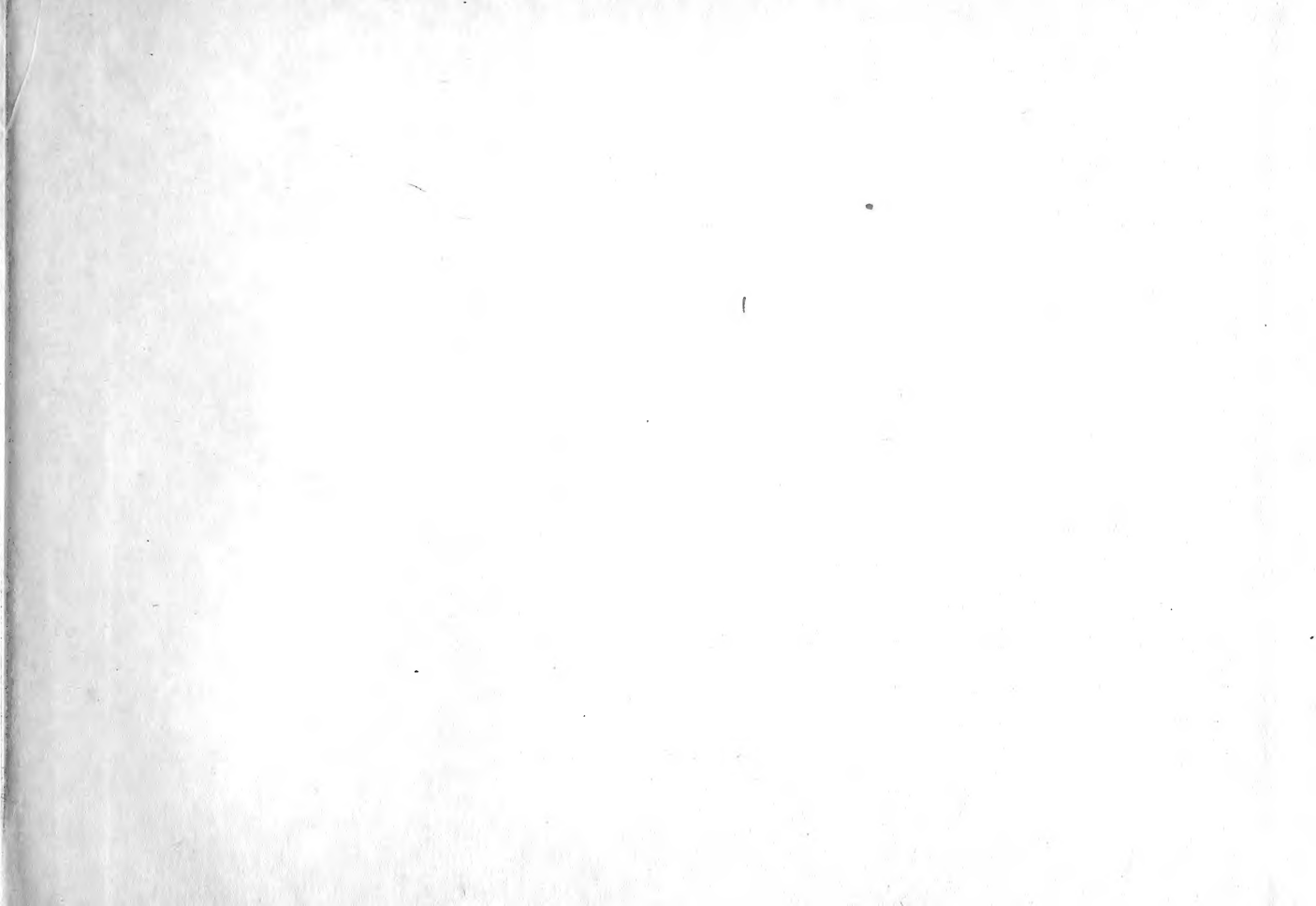
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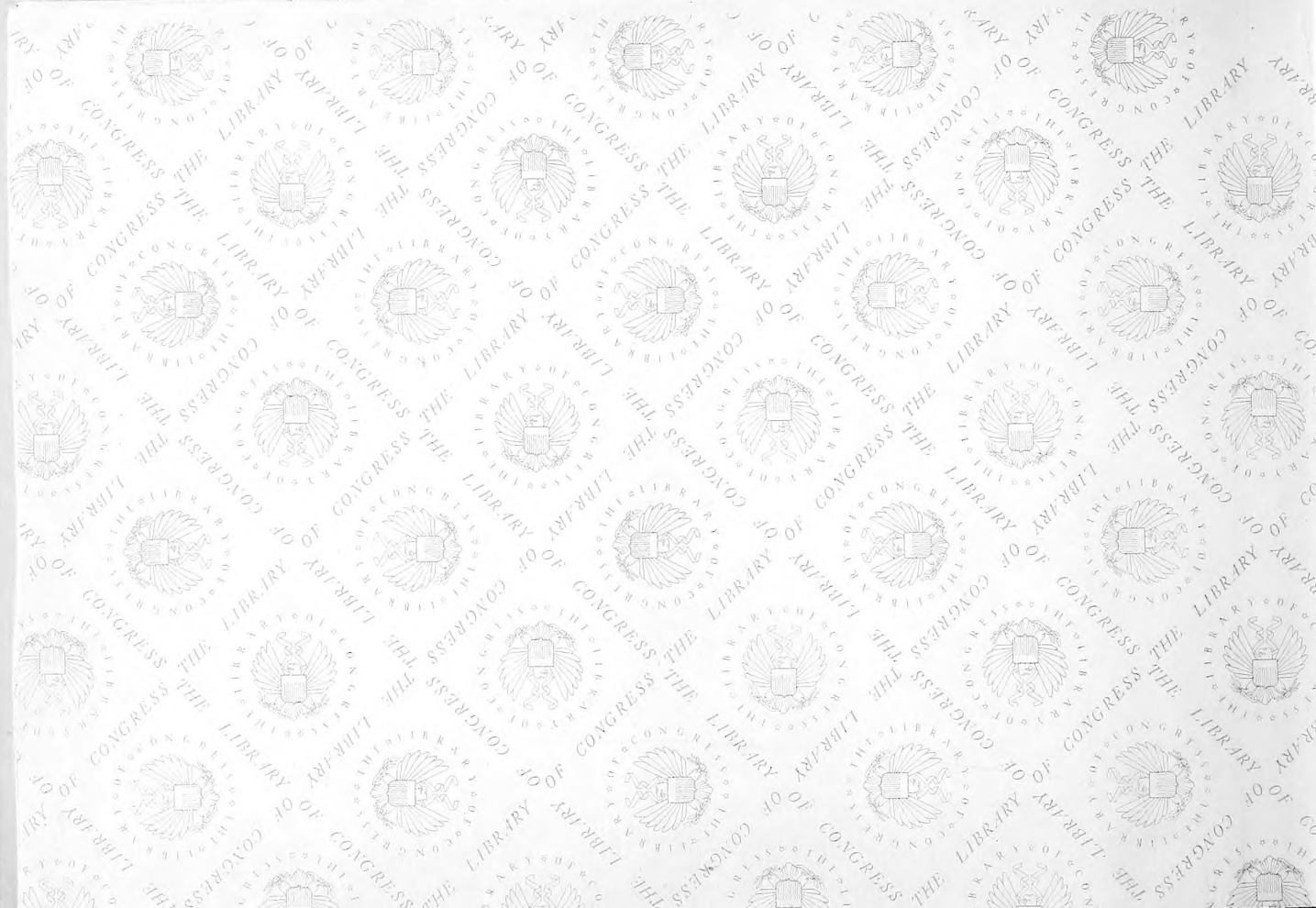
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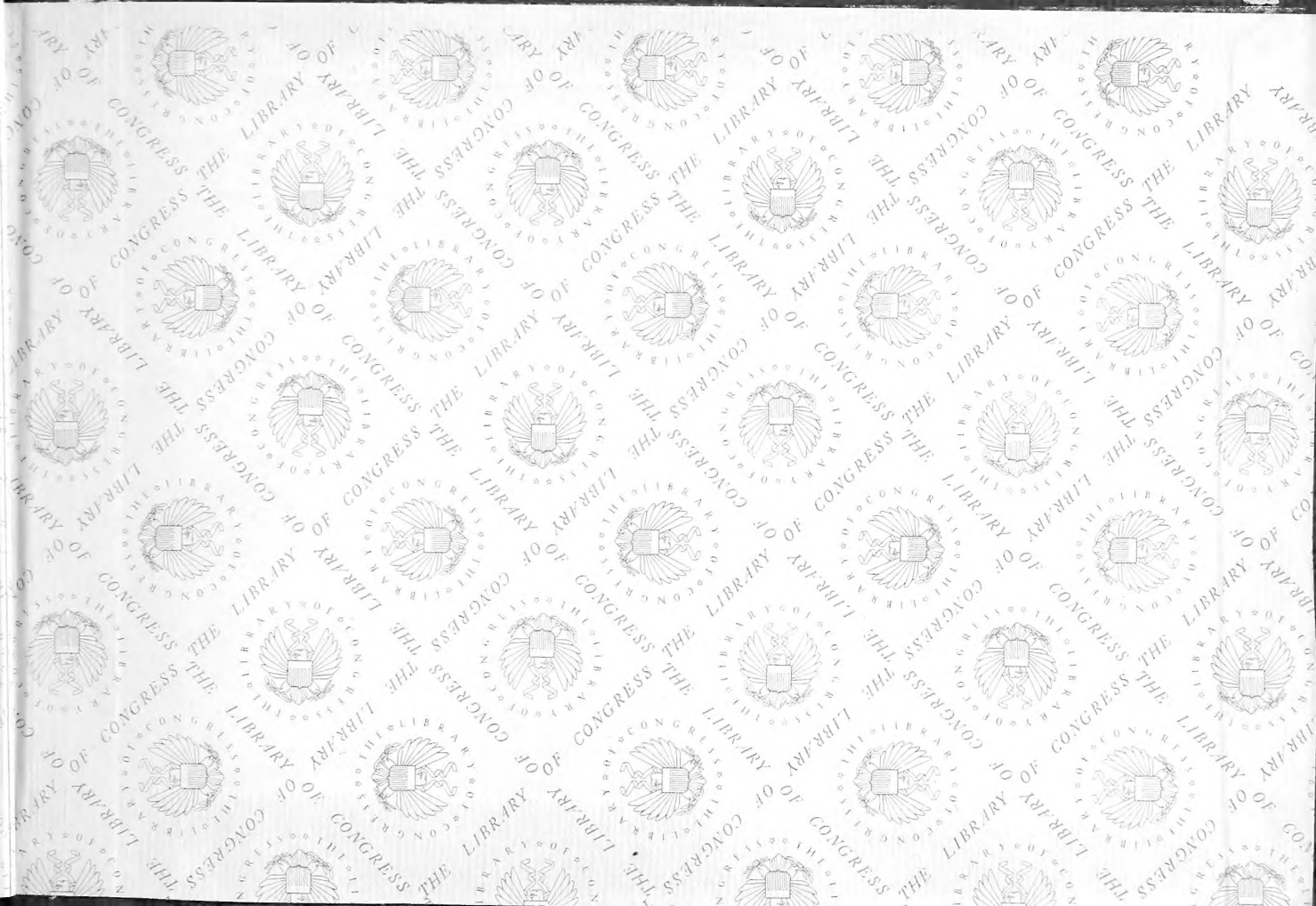
CHECK TABLE.

GENERAL FEATURES. hollow spatulate symmetric 1
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Duration	Height cuneate neutral 7
..... annual	Undergroundcc 8
..... biennial corncc 9
..... perennial	..... tuber	..... ..c	..... ..c	..... 10
Odor	..... bulb	..... ..c	..... ..c	..... 11
Juice	LEAVES.	..... ..c	..... ..c	..... 12
..... Color	Kinds	..... sessile	..... ..c	..... 13
..... Taste	..... p. stipulate	..... ..c	..... ..c	..... 14
ROOT.	..... ..c	..... ..c	..... ..c	..... 15
Form	..... equitant	..... ..c	..... ..c	..... 16
..... conical	Arrangemen	..... ..c	..... ..c	..... 17
..... fusiform	..... On the Stem.	..... ..c	..... ..c	..... 18
..... napiform	..... cauline	..... ..c	..... ..c	..... 19
..... rhizoid	..... radical	..... ..c	..... ..c	..... 20
..... fibrous	..... ramal	..... ..c	..... ..c	..... 21
..... fibroscate	Along the Axis.	..... ..c	..... ..c	..... 22
..... nertal	..... alternate.	..... ..c	..... ..c	..... 23
Gen. Char.	..... scattered.	..... ..c	..... ..c	..... 24
STEM.	..... rosulate	..... ..c	..... ..c	..... 25
..... exogenous	..... fasciculate	..... ..c	..... ..c	..... 26
..... endogenous	..... opposite	..... ..c	..... ..c	..... 27
Nature	..... verticillate	..... ..c	..... ..c	..... 28
..... herbaceous	..... peristom	..... ..c	..... ..c	..... 29
..... succulent	..... deciduous	..... ..c	..... ..c	..... 30
..... fruticose	Vernation	..... ..c	..... ..c	..... 31
..... arborescent	feature	..... ..c	..... ..c	..... 32
Dir. of Growth	..... ..c	..... ..c	..... ..c	..... 33
..... erect	..... ..c	..... ..c	..... ..c	..... 34
..... as-erg. nt	..... ..c	..... ..c	..... ..c	..... 35
..... diffuse	..... ..c	..... ..c	..... ..c	..... 36
..... decumbent	..... ..c	..... ..c	..... ..c	..... 37
..... prostrate	..... ..c	..... ..c	..... ..c	..... 38
..... creeping	..... ..c	..... ..c	..... ..c	..... 39
..... climbing	..... ..c	..... ..c	..... ..c	..... 40
..... twining	..... ..c	..... ..c	..... ..c	..... 41
Branching	..... ..c	..... ..c	..... ..c	..... 42
..... simple	..... ..c	..... ..c	..... ..c	..... 43
..... furcate	..... ..c	..... ..c	..... ..c	..... 44
..... excurrent	..... ..c	..... ..c	..... ..c	..... 45
..... racemose	..... ..c	..... ..c	..... ..c	..... 46
..... paniculate	..... ..c	..... ..c	..... ..c	..... 47
..... corymbose	..... ..c	..... ..c	..... ..c	..... 48
..... diffuse	..... ..c	..... ..c	..... ..c	..... 49
..... deliquescent	..... ..c	..... ..c	..... ..c	..... 50
SpecialForms	..... ..c	..... ..c	..... ..c	..... 51
..... suckers	..... ..c	..... ..c	..... ..c	..... 52
..... stolons	..... ..c	..... ..c	..... ..c	..... 53
..... offsets	..... ..c	..... ..c	..... ..c	..... 54
..... runners	..... ..c	..... ..c	..... ..c	..... 55
..... tendrils	..... ..c	..... ..c	..... ..c	..... 56
..... thorns	..... ..c	..... ..c	..... ..c	..... 57
Gen. Char.	..... ..c	..... ..c	..... ..c	..... 58
..... tubercle	..... ..c	..... ..c	..... ..c	..... 59
..... grooved	..... ..c	..... ..c	..... ..c	..... 60
..... angled.ccc 61
..... solidccc 62
..... ..cccc 63
..... ..cccc 64
..... ..cccc 65
..... ..cccc 66
..... ..cccc 67
..... ..cccc 68
..... ..cccc 69
..... ..cccc 70
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..... ..cccc 73
..... ..cccc 74
..... ..cccc 75
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